

**ADDENDUM NO. 2**

**APPOQUINIMINK SCHOOL DISTRICT  
BRICK MILL EARLY CHILDHOOD CENTER  
380 BRICK MILL ROAD  
MIDDLETOWN, DE 19709**

**THE WHITING-TURNER CONTRACTING COMPANY  
CONSTRUCTION MANAGER  
131 Continental Drive – Suite 404  
Newark, DE 19713  
302-292-0676**

**BIDS DUE: JULY 23, 2020 at 2:00 PM**

**LOCATION: \*\*\*\*\* CHANGE IN LOCATION \*\*\*\*\*  
Marion E. Proffitt Training Center, Loading Dock  
118 South Sixth Street  
Odessa, DE 19730**

**NOTICE TO ALL BIDDERS**

**1.0 GENERAL NOTES:**

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project. All bidders shall acknowledge this addendum on the Bid Form.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.4 Deadline for questions shall be July 20, 2020.
- 1.5 Successful contractors shall provide the following contract items within seven (7) calendar days of receipt of contract. These items will be required for the Appoquinimink School District to issue a purchase order:
  - 1.5.1 Fully executed contract
  - 1.5.2 Insurance certificate
  - 1.5.3 Fully executed payment & performance bonds

**2.0 CHANGES TO THE PROJECT MANUAL and DRAWINGS**

- 2.1 No changes to drawings

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Addendum #1 - 7/10/2020

- 2.2 Updated front end changes – Sections 011200 Scopes of Work, Section 013210 Construction Schedule

3.0 ATTACHMENTS

- 3.1.1 Section 011200 Scopes of Work
- 3.1.2 Section 013210 Construction Schedule

**END OF ADDENDUM NO. 01**

## **SECTION 011200-01A – GENERAL SCOPE OF WORK**

All work is to be done in accordance with the Contract Documents, including the drawings and the specifications, this scope of work, and all addenda if any. Each trade must comply fully with all sections of the Division 1 general requirements.

This scope is intended as a reference to assist in the bidding process. The Contractor is responsible for all labor, material, tools, equipment, hoisting, storage, layout, incidental work, and associated services necessary to fully complete all of the work described and shown in the Contract Documents. This contractor is responsible to review and include all items in their attached specific scope of work and to also review the work of other trades.

This work includes but is not limited to:

1. All bidders are required to provide 10% bid bond for each bid package submitted.
2. All contractors are required to provide 100% payment and performance bonds for their contract.
3. All contractor employees will be required to sign-in each day on the jobsite.
4. Work hours are 7:00 am to 3:30 pm. All contractors are required to work minimum 5 days per week, 8 hours per day. If day(s) are lost during the work week, all contractors are required to work Saturdays and/or extended hours (coordinate with WT first) to make up for all lost days at no added cost.
5. Each contractor, upon award, is to forward budget costs for each individual item of work, in s.f. or l.f. costs for accounting only. A list will be forwarded to each sub from Whiting-Turner.
6. Each foreman is required to complete daily field reports and turn them into WT daily. This report states where and what work was performed. Failure to submit reports on a daily basis may delay contractor payment.
7. All deliveries must be scheduled in advance with Whiting-Turner. Major deliveries, those that may impact or disrupt the work of other trades, require seven (7) days notice to WT. Minor deliveries require two (2) days notice to WT. WT shall coordinate storage locations for all deliveries.
8. All contractors shall attend schedule pull planning sessions with WT.
9. This contractor will execute an AIA contract with no changes.
10. All contractor employees will meet with the WT Superintendent for a short safety orientation upon starting their work on site. All contractor employees are required to attend this orientation.
11. The foreman and project manager will need to meet with the superintendent for a “pre-start” job meeting.
12. This contractor is responsible for all existing site conditions in existence as of the bid due date. These conditions may not be identified on the drawings or in this scope of work. Examine prior to the bid.
13. All contractors are required to perform all layout required for their work.
14. No gasoline-powered equipment can be used at any time within buildings. All equipment you plan to use must be reviewed with the Superintendent for safety concerns.
15. SDS must be forwarded prior to starting work. No chemicals can be used at any time without properly reviewing them with WT first.
16. All contractors are required to perform any necessary dewatering in order to complete their work.
17. All subcontractors are responsible for daily cleanup of their debris to the jobsite dumpster. This means that no trash or excess construction materials can be left on site or in buildings at the end of the day. Failure to do so may result in backcharges.

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18. The Construction Manager will supply a dumpster for the work, except as noted in the specific scopes of work. The contractor is responsible for placing debris in the dumpster.
19. Storage space will be limited. Materials and gang boxes cannot be in the way of other trades, traffic, fire lanes, access, etc. Review location and requirements with WT. Provide storage trailers or off site storage when necessary.
20. Furnish attic stock as required by the drawings, specifications, or the scope of work.
21. Jobsite security and security of materials, equipment, tools, etc. is the responsibility of each contractor.
22. Contractors are required to coordinate with other trades and with Whiting-Turner.
23. Contractors are required to comply with all safety regulations as required by OSHA, State of Delaware, Appoquinimink School District, Whiting-Turner, and as noted in the specifications. Provide all safety devices necessary for your work.
24. All change order pricing must be accompanied by a labor and material breakdown and with subcontractor & vendor quotes.
25. Care must be taken to not mark or damage finished surfaces. Contractors will be backcharged or will need to pay for repairs to the work of others. Protect the owner's property.
26. Roof protection must be provided by any contractor working on top of the completed roof systems. Minimum protection required is 2" rigid insulation and 3/4" plywood.
27. All safety, barricades, floor opening protection, etc., installed by this contractor or by others is the responsibility of this contractor if moved or damaged by this contractor.
28. Provide all testing, guarantees, warranties, as-built drawings, O&M manuals, commissioning tests, close-out documentation, and start-up services necessary to put all work into first class operating condition per the contract documents including any final cleanup required.
29. As-built drawings must be maintained on the job-site and updated on a daily basis for review by Whiting-Turner. At contract completion, contractor must submit as-built drawings and O&M Manuals as required by specifications.
30. Owner training required by specifications. Training must be videotaped.
31. Where furnishing and installation of work is indicated by separate parties include:
  - Furnishing Party – delivery to jobsite including freight and taxes
  - Installing Party – receiving, unloading, inventory, storage, handling, and installation.
32. Core drilling, cutting & patching as required to perform work. Include restoration of surfaces to original condition if required. Cutting to be performed as to minimize patching.
33. Sealants, caulking, and firestopping integral with work.
34. Permit fees and licenses required for work, other than the building permit, shall be furnished by the contractor whose work requires such permits.
35. General temporary lighting, 120V power & water will be provided. Any contractor requiring temporary services above and beyond those noted shall provide the necessary temporary service required for their work. Refer to specific scopes of work for contractors that will be required to provide all temporary power and lighting for the duration of their work.
36. Each contractor shall provide scaffolding, hoists, lifts, cranes, and other means of access for own work.
37. Premium cost for shutdowns or any other off-hour work. All shutdowns must be scheduled at least two (2) weeks in advance.
38. Phasing and remobilization per the project schedule and as required to properly coordinate and complete the work.

***A. Contractors are to perform their work according to the project schedule. Overtime and weekends are to be included as required. Refer to specific scope of work for specific overtime and weekend requirements.***

39. Field measurements and verification of existing conditions.
40. Temporary weather and dust protection for own work.
41. Perform any snow removal for access to your work, beyond road areas normally maintained by State.
42. Compliance with local noise restrictions.
43. Temporary sheeting, shoring & bracing as required to perform this work. Engineering calculations/PE certifications if specified.
44. Submittals and mock-ups as specified.
45. Warranties as specified commencing on date of substantial completion.
46. Insurance as required by specifications. Maintain throughout project. Professional liability insurance for any design/engineering work.
47. All applicable sales, use & excise taxes.
48. Surface preparation and inspection for proper installation of the work. Include clean-up, etching, flash patching, moisture testing, etc. as required per specification and manufacturer's instructions. Commencement of work shall constitute acceptance of the substrate as suitable for this work.
49. Sleeves, inserts, and anchors for this work.
50. Additional reinforcement/supports for this work which is not detailed on the architectural and structural drawings.
51. Comply with all Whiting-Turner and Owner Quality Control Program requirements for this work.
52. The contractor must have on site at all times during own work a supervisor or foreman responsible to coordinate the work with all other trades to meet the project schedule, to perform the work to meet the contract documents and to effectively communicate with the construction manager and other trades. The decision of that individual shall be binding upon the contractor.
53. Attendance at foreman meetings by the supervisor or foreman is mandatory.
54. Attendance at progress meetings by your project manager is mandatory. Meetings may be tape recorded.
55. After bids are received, contractors will need to attend a scope review meeting with Whiting-Turner, the Owner, and the Architect.
56. The successful contractor must forward Whiting-Turner a copy of their safety program.
57. During this project, hot work permits will need to be obtained from Whiting-Turner prior to proceeding with any such work on a daily basis.
58. All contractors are responsible for their work as shown on any and all drawings.
59. Each contractor must have a line item on their invoice schedule of values that allows 3% of the total contract amount for close-out documents (as-builts, warranties, operations and maintenance manuals, punchlists, etc.) in addition to 10% retention.
60. Building or site commissioning is to be performed separately from owner training.
61. All subcontractor foremen and project manager are required to remain as such throughout the duration of the project unless otherwise approved by WT and Appoquinimink School District.
62. The following documents will be required at project start-up and need to be submitted with-in two weeks of the notice to proceed:
  - A. Fully executed Contract.
  - B. Copy of State of DE Business License

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- C. Insurance Certificate indicating coverage and limits, as specified in Contract Documents.
  - D. Permits or permit filing receipts as required by the contract documents, New Castle County, State of Delaware or any other regulatory agencies having jurisdiction. (Building permit is by CM)
  - E. Payment Bond and Performance Bond
  - F. Emergency Telephone Numbers for project manager and foremen
  - G. SDS Information
  - H. Attendance of Onsite Safety Orientation
  - I. Copy of Written Safety program and policy
  - J. List of all applicable labor rates
  - K. Detailed Schedule for the work
  - L. Schedule of Values for invoicing
  - M. Subcontractor List
  - N. Supplier List
63. The following documents (other than submittals) will be required prior to billing for the close-out documents.
- A. Signed-off copy of the punchlist.
  - B. Attic stock delivery confirmation (if required by the specifications)
  - C. As-built Drawings
  - D. Testing Reports and/or Equipment Start-up reports
  - E. Operation and Maintenance Manuals
  - F. Owner Training Sessions & video tapes as specified.
  - G. Standard Guarantee/Warranty for this Trade Contractor and subcontractors (attached)
  - H. Specific Warranties from individual suppliers or manufacturers
  - I. Affidavit that all taxes have been paid
  - J. AIA Document G706 – Affidavit of Payment of Debts and Claims (Original available from AIA)
  - K. AIA Document G706A – Affidavit of Release of Liens (Original available from AIA)
    - Complete and attach the ‘Trade Contractor’s Final Release and Affidavit’
    - Complete and attach the ‘Final Waiver and Release for Second Tier subcontractors and suppliers’ (1 needed from each subcontractor / supplier utilized.)
  - L. AIA Document G707, Consent of Surety of Final Payment (Original available from AIA)

END OF SECTION 011200-01A

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**SECTION 011200-03A – SPECIFIC SCOPE OF WORK – CONCRETE****SPECIFIC SCOPE – CONCRETE:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
033000	Cast-In-Place Concrete	In Its Entirety
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
071900	Water Repellents	In Its Entirety
072100	Thermal Insulation	In Its Entirety
072119	Foamed-In-Place Insulation	In Its Entirety
072713	Self-Adhered Non-Permeable Air Barrier	In Its Entirety
079200	Joint Sealants	In Its Entirety
Division 08	Openings	As Applicable
093013	Tiling	In Its Entirety
096513	Resilient Base and Accessories	In Its Entirety
096516	Resilient Sheet Flooring	In Its Entirety
096519	Resilient Tile Flooring	In Its Entirety
096723	Resinous Flooring	In Its Entirety
096813	Tile Carpeting	In Its Entirety
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable

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Division 12	Furnishings	As Applicable
Division 21	Fire Protection	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
311000	Site Clearing	As Applicable
312000	Earth Moving	As Applicable
312319	Dewatering	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE:**

- 1. This contractor shall include the following requirements for overtime:***
  - a. (4) 10 hour days, Monday – Thursday***
  - b. (1) 8 hour day, Friday***
  - c. (1) 8 hour day, Saturday***
  - d. Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.***
- 2. Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.***
- 3. Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.***
- 4. Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.***
- 5. Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.***
- 6. Extended hours requirements shall only be “lifted” at the discretion of WT.***

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with concrete work.
3. All trucks are required to clean their tires prior to leaving the project site.
4. Provide all cast-in-place concrete including but not limited to footings, step footings, piers, slab-on-grade, foundation walls, steps, ramps, walls, etc.
5. Furnish and install flagpole footer (see 15/A9.0). Include welded steel baseplate and corrugated steel pipe.
6. Provide stone base, expansion joints, sealants and reinforcement for this work.
7. Perform all excavation and backfill required for this work. Including backfill of CMU foundation walls upon completion of walls by others.
8. This contractor shall be responsible for removal of excess soil from the project site due to installation of this contractor’s work.
9. Provide all formwork necessary for all concrete work.
10. Provide all depressed slabs as indicated.
11. All concrete slab pours shall be scheduled in consultation with the Whiting-Turner and is indicated in the project schedule. Whiting-Turner shall dictate the size and extent of each individual concrete slab pour based on areas that are available to be poured upon completion of work by other trades.



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Consideration will be given to attempt to maximize the size and extent of individual concrete slab pours. Provide lighting to finish slabs if needed.

12. Provide any engineering and shop drawings required for formwork, shoring, shoring removal or re-shoring.
13. Provide all concrete accessories including but not limited to expansion joint fillers, zip strips, water stops, concrete inserts, reinforcing steel, welded wire fabric, reinforcing fiber mesh, vapor barrier and vapor barrier accessories, curing compounds, etc. required to accomplish concrete work.
14. Provide necessary weather protection and hot and cold concreting procedures per ACI standards and as dictated by project schedule.
15. Two datum points will be provided: one grid line in the north-south direction, one grid line in the east-west direction. This contractor to provide all other engineering and layout required to complete this work.
16. Provide all temporary power required to complete your work.
17. Provide continuous site cleaning of project site and adjacent streets resulting from this work. Provide street cleaning along Brick Mill Road and the school entrance as needed. Mud and debris on Brick Mill Road and Brick Mill Elementary School pavement resulting from this work must be removed immediately.
18. Provide all rebar located in concrete, including masonry dowels extending from concrete footings and slab rebar. Provide safety caps for rebar extending vertically from footings into masonry. Include drilling and epoxying rebar as required.
19. Provide all reinforcing and reinforcing accessories including but not limited to welded wire fabric, tie wire, splicing requirements, chairs (or other approved support methods), etc. Welded wire fabric must be properly supported, and will be inspected, prior to slab pours.
20. Provide concrete column diamonds and infills at all columns.
21. Install only steel column anchor bolts. Material and layout provided by others. Provide as-built anchor bolt plan upon completion of work. Clean and protect anchor bolts following installation until steel columns are erected.
22. This contractor shall install and grout leveling plates. It is this contractor's responsibility to ensure that the plates are installed plumb and level and in the appropriate locations. Plates furnished by others. Coordinate with the steel contractor.
23. Provide all hoisting and lifting required to complete this work.
24. Provide joint fillers between concrete, concrete and masonry, and concrete and other dissimilar material as detailed. All fiber expansion joints are to be "zip-strip" to allow removal and caulking.
25. Install all items embedded in concrete. Install sleeves as required. Coordinate with all trades for required embedded items.
26. Concrete slab finish and flatness must meet or exceed tolerances specified AND meet or exceed tolerances established for each flooring type scheduled to be installed. This contractor shall specifically review the finish flooring specifications and shall insure their work conforms to these requirements. All curing compounds and chemical additives must be coordinated with the floor finish manufactures' acceptable finishes.
27. Concrete slabs must be properly sloped to floor drains to allow for positive drainage.
28. Maintain and repair (as needed) all soil erosion and sediment controls during the course of this work.
29. The building pad will be prepared by others to an elevation of finish floor minus slab thickness and minus stone sub-base thickness. Margin of error 0.2'. This contractor shall provide all excavation and backfill for concrete work. This contractor to provide excavation required for all depressed slab areas as shown.
30. This contractor shall remove soils found to be saturated or unsuitable due to excessive rain if the building pad areas are not stoned to sub-grade per the project schedule.
31. Provide all foundation wall perimeter insulation adjacent to below grade masonry and concrete walls and beneath the concrete slab.
32. Provide all necessary fall protection measures at any fall protection hazards created by this work.

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33. Provide (2) temporary stone ramps from grade outside building perimeter to within the building slab. Include removal of these ramps when directed to by WT.
34. Create and maintain concrete wash-out area during construction Per DENREC details DE-ESC-3.6.2 on drawing CE-08. Wash-out location to be coordinated with construction manager and removed when work is done.
35. Remove all spoils from site at conclusion of concrete work.
36. Provide dewatering required to complete concrete footing work and concrete slab work.
37. Provide sawcutting of all control joints in slabs. All sawcutting shall be wet cutting.
38. Clean and cover anchor bolts at each pier location upon removal of forms.
39. Provide ¾" plywood covers at column block-outs (diamonds) after slab pours. This contractor shall be responsible to remove and reinstall these covers after steel columns are installed and they shall remain in place until the diamonds are filled. Once diamonds are filled this contractor shall remove and dispose of diamond covers.
40. Coordinate depth of column diamond infills with floor finishes. At VCT locations recess infill ¼".
41. Provide block-outs in kitchen floor slab for floor sinks, floor troughs, drain troughs, etc. Infill around these items during a later slab pour.
42. Provide all stepped footings as shown for utilities.
43. Provide six (6) additional stepped footing locations of typical depths.
44. Provide, and remove as directed, plywood covers for floor holes in slab-on-grade. Allow for (20) locations throughout the building, size to be 18"x18".
45. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
46. Review geotechnical report and include all work associated with existing soil conditions including fill requirements and ground water conditions.
47. This contractor shall include rock and boulder removal provided the encountered rock and boulders can be removed with the use of a CAT 325 excavator (or similar).
48. Furnish and install all concrete for stairs and ramps, see A7.1 for details. Coordinate with steel contractor for locations of handrails and guardrails. Contractor to provide stone and grading required to complete the stair and ramp installation
49. Furnish and install all equipment pads. Coordinate with MEP trades for locations of sleeves, piping, embeds, etc.

**ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

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**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

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**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

~~**ALTERNATE NO. XX:** Furnish and install concrete foundation walls in lieu of CMU foundation walls~~

**UNIT PRICES** – Note: The owner reserves the right to request lump sum pricing for extra work in lieu of applying unit prices.

**Insert the following unit prices into the spaces provided on the bid form. Prices are to be furnished and installed values.**

1. Remove unsuitable soils off-site and replace with imported select fill, per c.y.
2. Remove unsuitable soils off-site and replace with 57 stone, per c.y.
3. Rock removal and disposal off-site, per c.y.

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**SECTION 011200-04A – SPECIFIC SCOPE OF WORK –MASONRY****SPECIFIC SCOPE – MASONRY:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
033000	Cast In Place Concrete	As Applicable
034500	Precast Architectural Concrete	In Its Entirety
042000	Unit Masonry	In Its Entirety
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
071900	Water Repellents	In Its Entirety
072100	Thermal Insulation	In Its Entirety
072119	Foamed-In-Place Insulation	As Applicable
072713	Self-Adhered Non-Permeable Air Barrier	As Applicable
076200	Sheet Metal Flashing and Trim	In Its Entirety
079200	Joint Sealants	In Its Entirety
Division 08	Openings	In Its Entirety
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Protection	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable

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Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE:**

- 1. This contractor shall include the following requirements for overtime:***
  - a. (4) 10 hour days, Monday – Thursday***
  - b. (1) 8 hour day, Friday***
  - c. (1) 8 hour day, Saturday***
  - d. Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.***
- 2. Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.***
- 3. Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.***
- 4. Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.***
- 5. Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.***
- 6. Extended hours requirements shall only be “lifted” at the discretion of WT.***

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Provide the following masonry items including but not limited to: brick, accent brick, stone veneer, CMU (above and below grade), bond beams, pre-cast concrete lintels, pre-cast copings and sills, masonry flashings at CMU and brick locations, weeps, and insulation.
3. Provide all necessary submittals: mortar mix designs, CMU, brick, stone samples, flashing, masonry accessories, etc.
4. Grout all CMU as required.
5. Provide all CMU bond beams and precast lintels as indicated in the contract documents. Furnish and install precast concrete profiles as indicated in the contract documents. Include grouting of masonry and bond beams as required.
6. Install only loose steel angle lintels.
7. Provide labor and material to clean footings prior to CMU foundation wall work.
8. Provide all scaffolding and hoisting as required to complete this work.
9. Review all drawings including structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with masonry.
10. Provide all rebar in masonry walls and foundation walls. Provide rebar set in masonry foundations walls that ties into concrete slabs. All exposed ends of rebar must be capped.
11. Provide all horizontal joint reinforcement as shown.
12. Provide all architectural control joints in masonry walls.
13. Provide all architectural expansion joints in masonry walls.
14. Furnish all brick ties at back-up walls to the 09A Framing contractor. The 09A framing contractor will install. Coordinate all locations and requirements for installation with the 09A framing contractor and spray foam contractor.
15. Furnish and install compressible filler between masonry and adjacent surfaces as indicated.
16. Clean and protect all masonry prior to completion.

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17. Provide plastic and plywood beneath all work areas to protect adjacent surfaces. Clean all mortar splatter, drippings, etc. from adjacent surfaces. Protect all windows, storefront, curtainwall, aluminum etc.
18. ALL saw cutting for masonry work is to be wet-cut.
19. Do not install finish masonry that is stained or discolored. Any stained or discolored masonry will be replaced.
20. Remove all excess material from site upon completion and as directed by construction manager. Restore all laydown and work areas upon completion.
21. Provide brick washing. Protect adjacent construction as needed.
22. Provide all mortar netting.
23. Grout hollow metal frames as required.
24. Provide smooth, level, grout surface at masonry foundation walls to allow stud wall track attachment.
25. Furnish and install all anchor bolts and bearing plates set in masonry.
26. Provide all masonry wall bracing as required.
27. Provide any supplemental, temporary water, power and lighting above and beyond temporary facilities described in specifications.
28. Provide temporary cold weather protection and cold weather masonry installation methods as required to complete the work as indicated in the project schedule.
29. Provide temporary heating as required to complete the work as indicated in the project schedule. Provide all additional safety measures as required due to any temporary heating.
30. Provide all mock-ups as required by specifications. Mock-ups will be used to approve materials and establish level of quality for the work.
31. Provide all weep holes, wicks, cavity drains and vents as shown. Keep weeps clean and clear during construction. Upon completion of walls sections, this contractor to perform water tests within cavity wall construction to ensure proper function of flashings and weep holes.
32. Contractor to install any flashing which is tied into AVB/Spray Foam, prior to those contractors starting their work. This contractor to furnish and install rigid insulation underneath flashing. Include end dams, sealants, soldering, termination bars, etc. as required. Provide additional mobilizations as required.
33. Provide toothing of masonry as needed to accommodate work of other trades and details.
34. Set sleeves in walls for pipe penetrations.
35. Provide all special shape brick and brick corbels.
36. Install all masonry walls plumb, square and true, within tolerances in specifications.
37. Provide plywood below any work done on top of the roof structure. Including plywood for paths of travel for loading and delivering materials on the roof.
38. Provide labor and material for six (6) additional stepped footing foundation walls.
39. Furnish and install building date stone. See A8.1
40. Furnish and install exterior wall parging.
41. Window and storefront opening sizes will be provided by the 08A Storefront contractor. This contractor will coordinate layout and rough opening dimensions with the 08A Storefront contractor. This Contractors will build the openings based on "hold-to" dimensions provided by the 08A Storefront contractor.
42. This contractor shall be responsible for installing and tenting scaffolding around the perimeter of the building. This scaffold will be used to allow the spray foam contractor the ability to install spray foam insulation during cold weather operations. This contractor shall be responsible for maintaining scaffold and tenting throughout the duration required. Provide any engineering required to facilitate a safe installation of tenting and scaffolding. Include the cost to remove scaffold and tenting as directed by WT. Temp heating equipment and fuel by WT

**ALLOWANCES**

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Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.



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**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-05A – SPECIFIC SCOPE OF WORK – STEEL****SPECIFIC SCOPE – STEEL:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	In Its Entirety
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
102239	Folding Panel Partitions	In Its Entirety
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE:**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Review all drawings including structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with steel work.
3. Provide all structural steel including but not limited to: columns, beams, angles, tubes, trusses, bar joists, joist bridging, point load joist reinforcing, plates, decking, acoustical decking, shear studs, clip angles, bolted connections, moment connections slip connections, bolts, nuts, washers, etc.
4. Provide all canopy and roof support steel.
5. Furnish and install all curved steel and angles as indicated in the contract documents
6. Perform all work in accordance with current OSHA safety regulations and Whiting-Turner safety rules.
7. Submit steel erection plan and narrative as required by OSHA.
8. Shop prime all materials as shown. Ensure that all materials are compatible with specified final finish.
9. Provide field touch-up of finishes provided under this contract.
10. Coordinate delivery and staging of materials with Whiting-Turner.
11. Provide all shop drawings and submittals required and as per project schedule.
12. Provide all pour stops, angles, etc. as needed to complete concrete slab pours. Provide temporary deck closures that may be necessary to complete concrete slab pours.
13. Provide supplemental support framing for mechanical, plumbing, food service and electrical equipment. Provide joist reinforcement as detailed. Coordinate with appropriate drawings.
14. Provide supplemental support framing for mechanical, plumbing, food service and electrical openings. Provide joist reinforcement as detailed. Coordinate with appropriate drawings.
15. Furnish steel column anchor bolts, nuts, leveling plates and anchor bolt plan.
16. Furnish steel bearing plates and layout for bearing plates.
17. Provide equipment, power and fuel for all welding.
18. Provide welding screens to protect other workers from welding operations.
19. Provide all roof decking. Include all deck reinforcing as detailed. Refer to architectural and plumbing drawings for roof drain locations. Coordinate decking with all other trades.
20. Provide all metal ladders as shown. Coordinate blocking requirements with the roofer and framer.
21. Provide all exterior handrails including rails at exterior stairs and exterior ramp. Contractor coordinate with the concrete contractor. This contractor to include PVC pipe sleeve embed and non-

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shrink grout per 7/A7.1. Contractor to follow all building code and ADA guidelines. Provide finish as required by the specifications.

22. Provide layout for all required in-wall blocking locations.
23. Provide lintel schedule and layout plan.
24. Provide all galvanized items as shown.
25. Grind all welds smooth and clean and ready for painting.
26. Provide miscellaneous or loose steel angles called out on drawings. Reference structural AND architectural drawings for angles.
27. Provide steel support framing for multi-purpose room divider. This contractor to drill holes for folding partition attachment. Layout for holes provided by others.
28. Provide steel support and framing overhead door and overhead coiling grilles.
29. Include multiple mobilizations as required to complete structural and miscellaneous work.
30. Provide all temporary power and lighting required to complete this work.
31. Assume that mechanical equipment support steel to be installed after the metal deck is installed. Coordinate with MEP trades for required support, locations, etc.
32. Provide and maintain OSHA-approved and WT approved fall protection necessary to complete this scope of work.
33. Provide (2) 32' fiberglass extension ladders to Whiting-Turner to allow for access to all roof areas.
34. Provide all architecturally exposed structural steel as shown.
35. Provide all drilling and epoxy for steel connections as detailed.
36. Furnish and install all steel and bracing required for ceiling mounted equipment such as therapy swings, operable partition, etc.

**ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

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**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-07A – SPECIFIC SCOPE OF WORK – ROOFING****SPECIFIC SCOPE – ROOFING:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 05	Metals	As Applicable
053100	Steel Decking	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
061000	Rough Carpentry	In Its Entirety
061600	Sheathing	In Its Entirety
Division 07	Thermal and Moisture Protection	In Its Entirety
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE:**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. This contractor shall provide all design, engineering and certifications as required for this work.
3. This contractor is required to review all drawings including Structural, Architectural Mechanical, Electrical, Plumbing, Fire Protection, and Food service prior to mobilization to site to identify all items that need to be embedded-in, penetrate or generally coordinated with roofing work.
4. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
5. All trucks are required to clean their tires prior to leaving the project site.
6. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
7. This contractor is responsible for all cranes, hoists, lifts, scaffold, etc. required to complete their scope of work. A crane lift plan shall be provided to WT prior to any crane lift taking place.
8. Furnish and install all roof systems. Obtain manufacturer’s warranty for each system respectively.
9. Furnish and install, complete, entire roofing system including all accessories, but not limited to: insulation, cover board, flashing, termination bars, battens, miscellaneous fasteners, copings, sealants, adhesives, mastics, waterstops, gravel stops, walkpads, blocking, etc. The system is to be installed to meet the requirements of the Contract Documents and/or manufacturer’s details; whichever is more stringent.
10. This contractor shall prepare all required information and materials and attend the required pre-installation conference, as per the Contract Documents.
11. This contractor shall provide all required inspections and warranties.
12. Furnish and install mock-up(s) as required by the Contract Documents. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.
13. Field verify steel framing, curbs, and other conditions effecting this work and notify WT of any conflicts at least two (2) weeks prior to the start of this work. Commencement of this work will constitute acceptance of the condition by this contractor.
14. Furnish and install all sealants, mastics, and splicing cement associated with the work installed herein.

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15. This contractor shall provide all sealants, caulking, etc. between the roof system and all adjacent building materials. Install as per the manufacturer's specifications and directions.
16. Furnish and install all roof blocking including but not limited to all top and bottom of the parapet, roof edge, and rooftop equipment curb blocking for all Mechanical/Electrical/Plumbing/Fire Protection equipment, etc. Include wood blocking as necessary to make the mechanical equipment level.
17. Furnish and install roof hatch, roof hatch guardrail, and roof hatch self-closing guardrail gate. Coordinate location with framer and steel contractor.
18. Furnish and install any blocking necessary for all roof accessories such as ladders, roof hatches, fall arrest, etc.
19. This contractor shall provide all roofing cant strips – including wood cant strips and any necessary brackets or installation hardware.
20. Furnish and install all flat and tapered roofing insulation.
21. Furnish and install rigid insulation at the roof and parapet level as indicated.
22. Furnish and install all required vapor barriers as required within the roofing systems.
23. This contractor shall furnish and install all top of wall/parapet copings including but not limited to all copings at brick veneer, metal panels, metal siding, with all associated flashings, trim pieces and accessories. Include the cost to furnish and install all accessories necessary for coping installation such as hold-down cleats, shims, sealants, etc.. Coordinate coping location and details with framer and EIFS installer
24. This contractor shall furnish and install all roof fascia plywood and/or wood/metal blocking and roof edge blocking (see 2 and 7 on A4.2 as an example). Include continuous soffit blocking as indicated on the contract documents. Include continuous curved plywood as indicated in the contract documents. Include cutting blocking to match profile/slope of tapered insulation as indicated.
25. Furnish and install all flashing, both metal and membrane, associated with the roof installation. This includes but is not limited to, parapet coping and flashing, reglets, roof edge, counter-flashing (including those on curbs provided by others), through wall flashing, gravel stops, etc. This Contractor is required to perform all required caulking of copings and flashings where called out on the Contract Documents. Include grinding brick joints to install flashing and counter flashing.
26. Furnish and install metal drip edges, including those located at the corrugated metal siding along the roof level.
27. This contractor shall coordinate with all architectural, mechanical, plumbing, fire protection, and electrical drawings and with related Contractors to determine the amount of roof penetrations and provide the proper flashing.
28. Furnish and install all pipe enclosure details including all flashings, sealants, fasteners, sheet metal enclosures, etc. for a complete system.
29. This contractor shall flash, seal, etc. all steel/mechanical/plumbing/electrical/accessory penetrations in the roof. Provide boots, pre-molded pipe seals and pitch pockets as necessary for each penetration.
30. This contractor shall furnish and install all gutters, downspouts, and scuppers, for a complete system. Include coordination of attachment locations with mason and metal panel contractor. Include all sealants required. Tie into downspout boot and coordinate installation with sitework and plumbing contractors. Verify placement of all downspouts with the architect prior to installation.
31. Furnish and install all required splash blocks.
32. Furnish and install all roof hatches and smoke/fire vents. Include necessary blocking, flashing, sealant, etc. required for a complete install.
33. This contractor shall furnish and install all required roof treads and walkway pads as indicated in the Contract Documents, including any required 'slip sheeting' or other type of wear pad between the roof and roof treads per the manufacturer's requirements. Coordinate locations and extent with the mechanical drawings.
34. This contractor will perform water tests on the roof system as required by the Contract Documents and manufacturer's requirements.



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35. This contractor shall insure that material and equipment loading do not exceed the allowable capacity. Verify loading requirements and limits with WT and the Contract Documents.
36. This contractor is responsible to protect all work in progress from rain or moisture on a daily basis.
37. This contractor is responsible for and shall provide daily roof cleanup and trash removal to the provided dumpsters. Pay close attention to roofing screws. This contractor will be responsible to repair any leaks at no cost to the owner if there is found to be loose roofing materials lying on the roof.
38. Parapets may not be complete at the time of roofing installation. This contractor is required to lap roofing over any incomplete parapets and edges until construction is complete. Once the parapets and edges are constructed, the Roofing Contractor must finish the roof installation.
39. Provide to the project 160 feet of Garlock 200 rail with weighted bases and (1) Garlock gate installed as corral around the roof hatch. Install immediately after deck installation. Relocate as needed for roofing installation. This does not take the place of leading edge protection.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

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**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-07B – SPECIFIC SCOPE OF WORK –METAL PANELS****SPECIFIC SCOPE – METAL PANELS:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	In Its Entirety
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE:**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. Furnish, install, maintain and remove all temporary roof protection during the course of this work. Any damage to the roof caused by this contractor will be the responsibility of this contractor to repair or replace. If it cannot be determined that this contractor caused the damage, all contractors working in the area will split the responsibility of repairs or replacement costs.
6. Furnish and install mock-up(s) as required by the Contract Documents. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.
7. Shop drawings/submittals are to include design data for specified wind loads, indicate required structural support locations/gages/thicknesses, etc. as required by the Contract Documents. This Contractor is to verify the structure is adequate and installed properly for this work well in advance of the start of installation of this work.
8. Furnish and install all flat-lock metal panel systems and horizontal panel metal siding systems complete, including but not limited to underlayment, trim, copings, soffits, fascia, mullions, sills, corner units, clips, fasteners, closure strips, sealing tape, joint sealants, flashings, louvers, gaskets, fillers, bituminous coatings, etc.
9. This Contractor is responsible for field verification of all dimensions at all aluminum and metal panel locations. Opening sizes will need to be coordinated closely with the Masonry and Drywall Partition Contractors. If necessary, this contractor will be required to provide the necessary layout and rough opening dimensions prior to work starting by other trades. These contractors will build to openings based on “hold-to” dimensions provided by the metal panel and siding systems Contractor.

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10. This contractor shall furnish and install all transition flashings at flat-lock metal panel and horizontal panel metal siding systems to dissimilar construction. Include wrapping plywood with metal flashing as shown.
11. Furnish and install any necessary steel angles, clips, z-girts, flashing, etc. required to attach the panel or siding system to the building framing or steel. This shall be completed ahead of spray foam install closely coordinated with WT and the spray foam contractor. Consider this task a separate mobilization/activity in order to allow for the spray foam contractor to complete their work.
12. In-wall blocking shall be by the carpenter or roofer (depending on location). Coordinate requirements with these trades. Should this contractor fail to properly coordinate blocking locations it shall be this contractor's responsibility to install required blocking.
13. This contractor is responsible for all caulking or sealants integral to the metal panel/siding systems. Caulking to adjacent dissimilar materials (i.e. metal panel to masonry) is by others.
14. Furnish and install all drip edges as indicated.
15. Furnish and install the finish trim for all systems furnished under this package.
16. Furnish and install all shims, brackets, angles, fasteners, and clips associated with the above systems to provide a complete and uniform installation of all units. Refer to drawing details.
17. Furnish all adjusting, plumbing or shimming as required after the roof is loaded with roof top units and steel and concrete work is complete. Check and adjust plumbness of panels to with the required tolerances as specified in the Contract Documents.
18. Provide all pre-finished materials as specified. Any field cutting that may be required must be sealed and/or painted the same day. This contractor is responsible to ensure that any field modification of panels does not have an impact on the specified warranty for the metal panel systems.
19. Provide all air and water testing as required by the Contract Documents.
20. Provide and pay for all hoisting, rigging, scaffolding, shoring, equipment, etc. required to accomplish the work described herein.
21. This Contractor is responsible for all storage of materials while on site. Materials must be stored in a dry container and be protected from excessive heat, cold, direct sunlight, surface contamination, corrosion, construction traffic and any moisture.
22. This contractor shall furnish and install all canopy and curved canopy metal facade including, but not limited to, clips, fasteners, closure strips, sealing tape, joint sealants, flashings, gaskets, fillers, special coatings, underlayment etc. Coordinate with 09A/07A contractor for blocking requirements.
23. This contractor shall furnish and install all metal fascia and soffits and curved fascia and curved soffits including, but not limited to, clips, fasteners, closure strips, sealing tape, joint sealants, flashings, gaskets, fillers, special coatings, underlayment, etc. Coordinate with 09A/07A contractor for blocking requirements.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

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**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

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**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-07C – SPECIFIC SCOPE OF WORK – SPRAY INSULATION****SPECIFIC SCOPE – SPRAY INSULATION:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	In Its Entirety
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable



**OVERTIME NARRATIVE:**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. Furnish, install, maintain and remove all temporary roof protection during the course of this work. Any damage to the roof caused by this contractor will be the responsibility of this contractor to repair or replace. If it cannot be determined that this contractor caused the damage, all contractors working in the area will split the responsibility of repairs or replacement costs.
6. Furnish and install mock-up(s) as required by the Contract Documents. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.
7. This contractor shall provide all specified special warranties for this scope of work.
8. This contractor shall furnish all required certifications, registrations, and licenses as required by the Contract Documents (ABBA, NECA, etc.).
9. This contractor shall provide and pay for all inspections, tests and certifications as required by the Contract Documents. Include costs for ABAA inspections as required. Provide all reports documenting results of inspections, tests, etc. Notify WT of non-conforming work.
10. Include onsite supervision of manufacturer representation as required to perform this work.
11. Include supervision and/or manufacturer representation to observe work by other trades following this contractors work including but not limited to masonry, stone, windows/glazing systems, carpentry, steel, miscellaneous metals, roofing, etc. to ensure that work following this contractors installations is done in a manner to not damage this Contractor’s work or jeopardize the warranty of this work.
12. This contractor is responsible to keep Daily Work Records of daily installations, inspections, testing, site & weather conditions, etc. as required by the specifications. Copies of all Daily Work Records shall be available on site for review by WT and the Owner upon request.

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13. This contractor shall furnish and install a complete spray foam insulation air/vapor barrier system to perform as a continuous air/vapor barrier, including but not limited to spray foam air barrier system, membrane flashings, transition flashings, jamb/head/sill closure membrane, cap sheet/expansion joint flashing, mastic adhesives, tapes, primers, sealants, and all other related accessories as indicated on the Contract Documents and/or required by the manufacturer(s) or industry standard for a complete installation.
14. Furnish and install all air barrier perimeter seal to all building openings including but not limited to doors, windows, storefront and curtainwall systems, louvers, pipe penetrations, etc. This work shall be coordinated with other trades.
15. Furnish and install top of wall spray foam insulation (ref. note 12 from A6.2). This work may take place after exterior spray foam activities have completed.
16. All penetrations of the air barrier and paths of air infiltration/exfiltration shall be made airtight as recommended by the manufacturer.
17. This contractor shall furnish and install all flashings and transition materials across all dissimilar materials, expansion/control joints, etc. as required for this work to provide a complete system. Include compressible material as necessary to ensure proper substrate and support for this work.
18. This contractor is responsible for all storage of materials while on site. Materials must be stored in a dry container and be protected from excessive heat, cold, direct sunlight, surface contamination, corrosion, construction traffic and any moisture.
19. This contractor shall follow all installation procedures as outlined by the manufacturer and the Contract Documents.
20. Prior to installation, this contractor shall perform inspections on all substrates to receive this work. Coordinate with other trades to ensure their scope of work is complete prior to the start of this contractor's work. Follow all inspection and notification procedures for notification of non-conforming work/substrates, as described in the Contract Documents, two (2) weeks prior to start of work.
21. This contractor shall clean, prepare and treat substrates according to the manufacturer's written instructions. Provide clean, dust-free and dry substrates for this work.
22. This contractor shall furnish, install, maintain and remove any fans, ducting, block off panels/sheets, etc. required to adequately ventilate enclosed areas and prevent unacceptable levels of vapors (as defined by OSHA) to other workers and trades.
23. This contractor shall furnish, install, maintain and remove protection (from splatter, dripping, spillage, overspray, etc.) of all surfaces not receiving insulation. Be careful around and protect all flashings that have been installed prior to this work. This contractor will be responsible for cleaning overspray, drips, spills, etc. from finish materials using agents per manufacturer's recommendations to original condition or replace material if necessary.
24. Furnish, install, and remove protection of the mason's brick veneer ties and supports during this contractor's work.
25. This contractor shall coordinate with WT and the Masonry Contractor to develop a procedure to tie-in patches to the air vapor barrier system at penetrations required for scaffolding supports, etc. Sequence this work in a fashion that allows proper patchwork to take place and is approved by the manufacturer. Include all costs to remobilize after scaffolding is removed to patch penetrations.
26. This contractor shall pay special attention to the specified tolerances for this work. This work must be completed within specified tolerance as to not impact trades that follow this work. Work that does not conform to the specified tolerances shall be corrected at this Contractor's cost. Provide all necessary provisions to perform this work in accordance with the schedule, weather, other trades work, etc.
27. This contractor is responsible to furnish, install, maintain and remove protection for this work until properly cured as required by the Contract Documents.
28. Ensure that work performed under this scope is not exposed to the elements in a manner or for a timeframe that is not acceptable under the Contract Document requirements or to the manufacturer.

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Notify WT well in advance if a certain area or portion of this scope is in jeopardy of being exposed to a level that exceeds the manufacturer's recommendation in order to avoid a negative impact to the project schedule.

29. Assist WT in developing a quality control checklist for each air/vapor barrier system and spray insulation system included in this scope of work; ensure that every element is installed per manufacturer's recommendation and meets the Contract Documents. Include quality control walk-through inspection of each system with the WT team.
30. Assist WT in developing a cold weather installation program and checklist for installation of items included in this scope of work constrained by cold weather conditions. Also, include the same for any other weather conditions affecting the quality of this work (i.e. rain, etc.).
31. This contractor shall provide all lifting, hoisting, cranes, etc. for this work complete.
32. The masonry contractor shall be responsible for providing scaffolding around the building including tenting of this scaffolding. This scaffolding will be used by this contractor to complete their work. Lifts, ladders, scaffolding, additional access above and beyond scaffold provided by the mason shall be the responsibility of this contractor.

### **ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

### **ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

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**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-08A – SPECIFIC SCOPE OF WORK – GLASS, GLAZING AND ALUMINUM**

**SPECIFIC SCOPE – GLASS, GLAZING AND ALUMINUM:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	In Its Entirety
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE:**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. Furnish, install, maintain and remove all temporary roof protection during the course of this work. Any damage to the roof caused by this contractor will be the responsibility of this contractor to repair or replace. If it cannot be determined that this contractor caused the damage, all contractors working in the area will split the responsibility of repairs or replacement costs.
6. Provide and pay for all hoisting, rigging, scaffolding, shoring, equipment, etc. required to accomplish the work described herein.
7. Furnish and install mock-up(s) as required by the Contract Documents. Assume stand alone mock-up panels will be constructed based on areas selected on the building elevations. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.
8. Shop drawings are to be completed and submitted to Whiting-Turner no later than four (4) weeks after approvals. Shop drawings/submittals are to include design data that conform to the project specific performance requirements; reference Contract Documents for all performance requirements. Design data must be signed and sealed by a Professional Engineer registered in the State of Delaware.
9. This Contractor shall strictly adhere to the project schedule and/or durations respective to this scope of work and any change in construction sequencing as may be necessary for the overall benefit of the project.
10. Furnish and install complete aluminum storefront systems, windows, interior aluminum window systems, aluminum doors and other aluminum products; including but not limited to all interior aluminum frame window units, louvers, window trim, break metal, hardware, shims, fasteners, clips and accessories required for a complete installation.

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11. Furnish and install all aluminum entrance doors (interior and exterior), including support structure and any integral aluminum wall panel systems.
12. All aluminum windows and doors are to be furnished with glazing as specified within the Contract Documents.
13. This contractor shall furnish and install all hardware associated with the aluminum entrance system. Power to electrical hardware components will be by the electrical contractor; wiring within the doors, frames, etc. is by this Contractor.
14. Provide all-prefinished aluminum materials as specified.
15. Furnish and install the aluminum finish trim for all systems furnished under this package.
16. This contractor shall furnish and install complete aluminum curtainwall systems, including all concrete/masonry embed, hardware, fasteners, sealants, accessories, etc. required for a complete installation.
17. This Contractor shall furnish and install ALL glass in aluminum doors and frames AND hollow metal doorframes, hollow metal windows, vision panels. This includes glass for all doorframes, borrow lite frames, etc. Wood and hollow metal doors to be factory glazed and provided by others.
18. Include specialty glazing types such as decorative glazing or obscure glass. Include all ballistics film and rated glass as indicated. Provide shims, glazing tape, etc. as required to install in doors and windows.
19. Window opening sizes will need to be coordinated closely with the Masonry, Structural Steel, Metal Panel and Drywall Partitions Contractors. This contractor will be required to provide necessary layout and rough opening dimensions prior to work starting by other trades. These Contractors will build the openings based on "hold-to" dimensions provided by this Contractor. Field measuring the openings prior to ordering material for or constructing windows will NOT be permitted.
20. Furnish and install all steel required within storefront openings or within aluminum extrusions that might be necessary to support the storefront system and that meets the designed wind loading criteria.
21. This contractor shall furnish and install any necessary steel angles or clips required to attach the curtainwall or storefront system to the building steel. Include all engineering for connections by a Professional Engineer registered in the State of Delaware as required by the specifications.
22. Provide any supplemental framing that is required to properly support the work described herein but not shown on the drawings or specifically assigned to another trade contractor.
23. Furnish and install all flashing, drip edges, stop beads, jamb extensions, sills, stools, in frame insulation, weather stripping, etc. to ensure a watertight system.
24. All wood nailers, at window and door blocking will be the responsibility of the 09A Framing & Drywall contractor. This Contractor (08A) is responsible for coordinating and verifying that all required blocking for this package is installed properly.
25. This contractor is responsible for providing all caulking or sealants integral to the aluminum storefront and/or window systems and exterior caulking to adjacent dissimilar materials (i.e. aluminum to masonry). Interior caulking shall be by the Caulking Contractor.
26. Furnish and install break metal corners as indicated in the contract documents. Include batt insulation in these corner pieces. See 5/A8.2 for example.
27. Furnish and install jamb detail including batt insulation as shown on 3/A8.4 for example.
28. This contractor shall coordinate, pay for and/or perform all testing as required by the contract documents including but not limited to water spray testing and air infiltration testing.
29. Furnish and pay for all engineering, testing, certifications, site visits by manufacturer's representatives, etc. if required by the contract documents.
30. Coordinate with and make provisions for a security system to be installed by others such as but not limited to reinforcement, raceways, cutouts, etc.
31. Include the necessary multiple mobilizations to the jobsite to facilitate work per the project schedule. Bulk storage of material will not be allowed, coordinate with Whiting-Turner. All material brought onsite to be installed within five (5) working days.
32. Furnish and install FRP Doors as required.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).



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**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-08B – SPECIFIC SCOPE OF WORK – DOORS/FRAMES/HARDWARE****SPECIFIC SCOPE – DOORS/FRAMES/HARDWARE:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	In Its Entirety
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from lifts & harnesses, or tie-offs provided by this contractor, OSHA standards must be met and followed at all times.
3. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
4. All trucks are required to clean their tires prior to leaving the project site.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
6. Furnish and install mock-up(s) as required by the specifications. Mock-up will not only be used to approve material but to establish the quality for the entire project. Any area not conforming to the mock-up will be reworked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed, review specifications for all mock-ups required.
7. Furnish and install all hollow metal doors, hollow metal frames, wood doors, wood frames, and all door hardware for hollow metal and wood doors. Furnish and install all louvers, grilles, or grates in doors or in frames. Furnish and install any necessary anchoring devices. Installation of all wood blocking in drywall as necessary to support door hardware must be coordinated with the Drywall/Stud Contractor. Include all door accessories such as coat hooks.
8. Furnish and install all HM and wood door hardware and accessories including, but not limited to, handles, locks, strikes, kick plates & protective trim, trims, astragals, sweeps, silencers, thresholds, mullions, closers, exit devices, locksets, cylinders, seals & gasketing, stops, holders, bumpers, hinges, door position switches, electrified hinges and electrified hardware. Include all wiring harnesses, power supplies, and connections. Furnish and install all electromagnetic door holders. Wiring diagrams for all electrical devices provided and/or installed by this contractor are to be provided and coordinated with the Electrical/Security Contractor in time for electrical rough-in.
9. The 08B DFH Contractor shall furnish attic stock as required per the specifications.
10. This contractor shall furnish and install all sealants integral to the work associated with this bid package.
11. This contractor shall provide one (1) quart of factory stain or sealers for field touch-up by the painting contractor.
12. This contractor shall furnish and install all wood trim as specified and/or required by the drawings.
13. All in wall blocking will be by the drywall contractor, 09A. The 08B DFH Contractor is responsible to coordinate all in wall blocking required for the scope of work in this bid package

with the 09A drywall contractor, during stud framing. Should this contractor fail to properly coordinate blocking locations it shall be this contractor's responsibility to install required blocking.

14. Furnish and install all hollow metal borrow lites and vision panel assemblies/kits per the door schedule, the details and the notes. Glazing of door frame lites, sidelites and vision panels is by the glazing contractor 08A.
15. For the installation of door frames; anchor and set frames in place. Frames shall be plumb and level. The drywall contractor will build their walls to the door frame. Coordinate this work with other trades. This contractor shall assist the drywall contractor with door frame layout in partitions. The 08B DFH contractor is responsible to verify that the frames have not been disturbed by wall construction, adjustments need shall be owned by the 08B contractor. Allow time to re-check the doorframes after the wall contractor. Realign frames as necessary. Leave spreaders in place until removal is approved. Remove spreaders in such a way as to create no damage and leave a clean finished product. Verify that air and surface temperature, moisture and humidity conditions are suitable for installation of the work in this bid package. Installation of work constitutes acceptance of field conditions.
16. This contractor shall furnish all clips, temporary space bars, angles, fasteners, and special tools as required for installation and maintenance of the work included in this bid package.
17. Store all door frames in vertical positions. No door frames shall be stored on their sides.
18. All hollow metal doors and frames shall be factory primed and finished. All wood doors shall be factory primed and finished.
19. Furnish and install spray foam at hollow metal frame (ref. 10 & 11 on A8.2 for example).
20. Include in this bid package any labor and material necessary to prepare the doors and frames to receive all hardware as listed in the hardware specification sets and in the door schedule notes. Coordinate the fabrication of doors and frames to be fully prepped to receive all hardware, glass, and security devices. All back boxes, cutouts, holes, etc. shall be provided to allow for complete installation of electric hardware/devices and security hardware/devices.
21. This contractor shall provide raceways within doors and/or frames for wiring to electrical hardware and for security purposes. Coordinate directly with electrical and security contractors.
22. Provide keying to match district system. This contractor is required to attend a keying conference, pre-installation conference and hardware coordination meeting at the project site with respect to the door hardware installation. Provide keying for hardware provided by contractor 08A.
23. Provide and install (15) construction cores, (3) control keys and (10) keys to be used at Whiting-Turner's discretion, Include removal and return to WT at final keying.
24. Furnish and install all electric door operator assemblies consisting of electric motors, pre-wired motor controls, control devices, starters and other accessories required for proper operation. Include push buttons, sensors, etc. required for a complete installation. Power to the operators will be by others. This contractor shall assist the electrical contractor in the wiring of all electronic operators. Provide detailed wiring diagrams and onsite support as necessary. Commission the operation of the doors to verify that they are working according to the manufacturer's specifications. Coordinate with the electrical contractor to ensure that provisions are compatible with electrically operated hardware components.
25. This contractor shall provide field measuring, shop drawings, hardware schedule, labels on doors, labels on hardware, etc. Properly label all finish hardware by set number and number all doors to align with the corresponding door number on the contract drawings.
26. This contractor is to receive, unload, inventory, and store all doors, frames, and hardware. Contractor to coordinate delivery and storage with WT prior to doors/frames/hardware arriving onsite. This subcontractor shall notify WT in writing of any discrepancies with delivered material. By submitting a bid, this subcontractor understands they shall manage all door, frame and hardware procurement and coordination. It is not the responsibility of the Construction

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Manager. Failure to manage and coordinate D/F/H vendors constitutes failure to properly execute their contract.

27. This subcontractor shall maintain a procurement log of all frames, hardware, doors and other accessories, which will be sent to Whiting-Turner on a weekly basis. This procurement log is to include at a minimum:
  - a. All frames, hardware and doors
  - b. Supplier of each
  - c. Contact information for supplier of each
  - d. Submittal approval status
  - e. Order date of each
  - f. Lead time of each
  - g. Anticipated delivery date of each
  - h. Actual delivery date of each
28. This contractor shall provide protection for all installed doors. Protection should consist of cardboard on both sides of the door, to be removed by this contractor when directed by WT.
29. This contractor shall undercut doors as necessary to have the doors swing properly and meet the criteria of the balancing/HVAC design. If doors are field undercut, this contractor shall seal and finish the bottom of the door properly.
30. This contractor shall perform a final door and hardware adjustment and cleaning to ensure that all components are in the proper working condition at the time of substantial completion.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

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**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

**SECTION 011200-09A – SPECIFIC SCOPE OF WORK –STUDS AND DRYWALL**

**SPECIFIC SCOPE – STUDS AND DRYWALL:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
054000	Cold-Formed Metal Framing	In Its Entirety
Division 06	Wood, Plastics, and Composites	In Its Entirety
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	In Its Entirety
Division 09	Finishes	In Its Entirety
Division 10	Specialties	In Its Entirety
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE (FOR EXTERIOR FRAMING & SHEATHING ACTIVITIES):**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**SHIFT WORK NARRATIVE (FOR INTERIOR FRAMING, DRYWALL HANGING & FINISHING):**

7. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
8. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
9. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
10. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
11. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. Furnish, install, maintain and remove all temporary roof protection during the course of this work. Any damage to the roof caused by this contractor will be the responsibility of this contractor to repair or replace. If it cannot be determined that this contractor caused the damage, all contractors working in the area will split the responsibility of repairs or replacement costs.
6. Furnish and install mock-up(s) as required by the Contract Documents. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.
7. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.



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8. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
9. This contractor will be responsible for all exterior stud walls, parapet walls, interior metal stud walls and ceilings, soffits, bulkheads, sheathing, drywall, gypsum board, vapor barriers, batt insulation, fiberglass insulation, foil faced insulation, sound batt material, acoustical sealant, and smoke sealant. Provide all standard, abuse resistant, moisture resistant, impact board, shaft wall, core boards, and cementitious backer board as required.
10. Furnish and install curved metal studs to follow roof structure to create the curve of the entrance canopy. Provide all engineering as required. Coordinate in depth with steel contractor and metal panel contractor and roofing contractor. This contractor to provide temporary bracing/shoring/blocking as required to properly install this scope of work.
11. Include filling voids in steel with insulation as indicated.
12. Furnish and install stud walls and sheathing on the roof as indicated. Example includes low wall for roof ladder support.
13. Furnish and install boxed header at all coping locations as indicated. Coordinate with roofer for detailing
14. Furnish and install all cold-form metal framing as shown on the structural framing details, connections to structural steel, connections to masonry construction, boxed headers, metal track and metal straps, clips, angles, accessories, etc.
15. Furnish and install all stud infills in structural steel as indicated.
16. Furnish and install all light gage and cold-formed metal lintels, angles, or clips.
17. This contractor is responsible to perform all required welding of light gage metals by certified welders as required. Welding of studs/clips/etc. to structural steel by this contractor.
18. This contractor shall coordinate and provide shop drawings signed and sealed by a qualified Professional Engineer licensed in the State of Delaware for all cold formed metal framing.
19. This contractor is responsible to provide a dedicated layout crew (either in-house or independent) to perform layout of all walls, all doors, and window openings in walls. This crew must be onsite at the request of the construction manager when areas become available for layout. Layout work will consist of marking lines on the floor and applying a sealer over the markings to keep them from fading.
20. Door frames and windows and storefront are to be installed by others. Upon completion of these installations, this contractor is required to verify that the wall framing is plumb and true. This includes verifying that door frames and window frames are plumb and true.
21. This contractor is required to furnish and install all metal framing (interior and exterior); including but not limited to all diagonal bracing, straps, kickbacks, etc. required for the framing system.
22. This contractor will be responsible for coordinating kickback locations with the M/E/P/FP trades. In cases where kickbacks, additional wall support, etc. are in conflict with M/E/P/FP piping, equipment, ductwork etc., it is the responsibility of this contractor to relocate framing to avoid conflict.
23. This contractor shall furnish and install all exterior sheathing as indicated in the Contract Documents. Tape or seal joints as required by the specifications and drawing details. Coordinate and install sheathing which is compatible with all materials to be applied (i.e. roofing membrane, AVB, spray foam, flashing materials, etc.). Furnish and install layer of plywood sheathing outboard of the spray foam insulation as indicated, coordinate with spray foam contractor.
24. This contractor shall install all brick ties while installing exterior sheathing in locations that receive brick veneer. Brick ties will be provided by the masonry contractor. Coordinate locations with the masonry contractor. Coordinate locations with control joint locations (do not bridge control joint with masonry anchor)
25. There is limited space on site and in the building. This subcontractor shall deliver materials to the jobsite in quantities and location as storage availability permits. This is at the sole discretion of the

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- Whiting-Turner superintendent and all deliveries must be carefully coordinated. This subcontractor shall protect drywall/sheathing when staged by covering in plastic and raising drywall/sheathing stacks above the floor with pallets or by other approved methods.
26. This contractor is required to furnish and install any architectural or control joint systems in stud walls as required. Follow control joint detail found on 12/A6.0.
  27. This contractor shall furnish and install all required sealants, fire rated and acoustical and smoke as required at tops, bottoms and sides of walls. This contractor is responsible to provide all fire safing/fire ratings per the UL designations as detailed on the partition types drawings. Contractor to provide all STC ratings as required in the contract documents.
  28. Furnish and install all 3/4" AC Grade fire rated plywood at all telecom closets/rooms as required. Paint plywood white prior to install. This work may be shown on the Mechanical/Electrical/Plumbing drawings.
  29. This contractor shall furnish, install and coordinate all in-wall blocking for materials attaching to this Contractor's work including but not limited to cabinets/casework/millwork, bathroom partitions, bathroom/washroom accessories, mirrors, countertops, mechanical/plumbing and/or electrical/fire alarm/teledata/VoIP/special systems equipment, A/V equipment and accessories, kitchen equipment and accessories, window treatments, door hardware, door frames, rolling/coiling door track and head box, specialty items, accessories and devices, white boards, tack boards, curtain track, devices, etc.
  30. Window and storefront opening sizes will be provided by the 08A Storefront contractor. This contractor will coordinate layout and rough opening dimensions with the 08A Storefront contractor. This Contractors will build the openings based on "hold-to" dimensions provided by the 08A Storefront contractor.
  31. Furnish and install exterior curtainwall and storefront blocking.
  32. Furnish and install window blocking including full head, sill, jambs, and blocking to support flashing etc. at the exterior windows. This contractor shall coordinate with the window contractor to confirm proper rough openings. This contractor shall be responsible for setting rough openings plumb and level and also so that they are perfectly level from window to window. Window head blocking doubles as blocking for the window shades – this contractor is responsible for making sure this blocking is perfectly level for the window shades as the window shades cannot be shimmed.
  33. Furnish and install all blocking for future items indicated and/or items by the owner (typically marked as an item N.I.C). Coordinate all locations with WT (example 3/A9.1 Interactive Board by the owner, will need inwall blocking)
  34. This contractor is responsible to verify that substrates installed under this contract requiring finishes other than paint are with the allowable tolerances for the installation of those finishes.
  35. This contractor is responsible to verify existing work in place is acceptable to proceed with installation of this contractor's scope of work. Notify WT of any issues. Installation of work constitutes acceptance of conditions.
  36. Furnish and install access doors and panels for access to mechanical, electrical, plumbing and fire protection equipment, valves, etc. Framing for these access doors and panels is by this contractor. It is the responsibility of this contractor to coordinate the size and layout for all access doors and panels with the M/E/P&FP trades.
  37. Furnish and install all expansion and control joints in wall and gypsum wall board ceiling construction integral to this work.
  38. This contractor is responsible to clear all expansion gaps of material and debris prior to close-up. WT must be given at least 24-hour notice in order to perform the proper inspections.
  39. All interior metal stud framing is to be fastened top and bottom to the track, both sides. Walls are not to be closed up until this has been inspected (unless the wall is detailed as a slip-track connection).
  40. Provide all light gage metal furring, framing, grids, straps, studs, resilient channels, box beams and accessories.
  41. Provide gypsum wallboard ceilings as indicated on the contract documents.

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42. This contractor is responsible, at all drywall column enclosures, to coordinate the size of the enclosure with M/E/P/FP drawings to allow for additional space required for chases.
43. This contractor is responsible for framing and sheathing the operable partition bulkhead in the multipurpose room. Coordinate with steel and specialties contractor for locations of supports.
44. This contractor shall verify that air and surface temperature, moisture, and humidity conditions are suitable for installation of this work. Installation of work constitutes acceptance of existing conditions, any deficiencies found afterwards shall be the sole responsibility of this contractor.
45. This contractor is responsible to provide angles, filler, caulking and fire safing where partitions abut adjacent construction.
46. This contractor shall provide supplemental lighting for gypsum board finishing.
47. This contractor shall participate in a sign-off procedure, as established by Whiting-Turner, on a room by room basis after framing is completed and prior to closing in drywall. This contractor shall not install drywall unless walls are signed off by all trades, WT, and the AHJ. If walls are closed in prior to this sign off it will be this contractor's responsibility to remove and reinstall drywall to allow for correction of work or work not installed by another trade.
48. It is this contractor's responsibility to clean out bottom tracks of studs immediately prior to closing in drywall. Vacuum out loose debris and spray with anti-mold solution as required.
49. Corner bead is to be mechanically fastened by screws at all locations.
50. Furnish and install, tearaway, j-bead, etc. as required to finish raw drywall edges for caulk joints, reveals, control and expansion joints etc.
51. Coordinate with the Painting contractor to patch and prep for finishes as follows:
  - A. Drywall subcontractor will complete final sanding of drywall.
  - B. Painter to apply prime coat (spray and backroll is acceptable).
  - C. Whiting-Turner, Drywall and Painting Contractors to walk the entire area and review drywall quality. Imperfections will be identified by circling with a pencil.
  - D. Drywall contractor will repair all circled imperfections.
  - E. Painter will proceed with application of 1<sup>st</sup> coat.
  - F. Items C and D will be repeated, correcting any remaining imperfections.
  - G. Balance of work will be completed i.e. millwork, flooring, hardware, etc.
  - H. Painter will complete final coat by means of rolling/brushing.
52. This contractor shall participate in a sign-off procedure, as established by Whiting-Turner, on a room by room basis after priming and point up, prior to the room being released to receive final coats of paint.
53. Include in your price the cost to perform normal punch-list touch-ups at the end of the project prior to move in.
54. This contractor shall furnish and install all EIFS mouldings (ref. 14 & 15 on A4.0). Include all continuous ½" plywood, fasteners, special shapes, sealants, brackets, etc. required for a complete install. Coordinate with masonry, metal panel, and roofing contractor. Include any blocking or special mounting points required to be installed before/during brick and metal panel install as required for a complete installation of EIFS mouldings.
55. This contractor shall furnish and install coping blocking and anchor bolts (see 1 & 6 on A4.2 as an example). This contractor shall coordinate this work with the roofing contractor.
56. This contractor shall furnish and install 1x3-1/2 continuous blocking, see 7/A4.2 for example.
57. This contractor shall follow WT EH&S guidelines for use of stilts. All applicable safety requirements MUST be met for contractor to use stilts. See EH&S manual for more information.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable**

**overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

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**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

**SECTION 011200-09B – SPECIFIC SCOPE OF WORK – TILE FLOORING**

**SPECIFIC SCOPE – FLOORING:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
093013	Tiling	In Its Entirety
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
6. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
7. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
8. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
9. Furnish and install all tile flooring, wall tile, base and accessories including but not limited to porcelain tile, ceramic tile, tile base, metal edge strips, external corners, bullnosing, internal corners, tapered transition tiles, thresholds, caps, thick-set and thin-set mortar, adhesives, setting beds, grout, epoxy grout, grout sealer, crack isolation membrane, waterproof membrane, tile cleaner, caulking, floor protections, flashing, ramping, scraping, leveling between dissimilar products and thicknesses, and surface primer as indicated in the contract documents.
10. Provide all preparation work for all flooring in accordance with the manufacturer's recommendations.
11. This contractor shall provide flash patching of the concrete slabs in areas to receive tile flooring.
12. This contractor shall furnish and install all transitions integral to and/or embedded in ceramic tile setting bed.
13. Scrape, abrade, broom/sweep, and vacuum substrate to be covered by flooring immediately before installation.
14. This contractor shall provide minor floor cleaning at the completion of the flooring installation as required in the specification sections. Others will accomplish final/occupancy cleaning.
15. Provide all required expansion joints and thresholds (manufactured and natural), sealants, control joints, etc. as required to provide a complete finished product.
16. Furnish and deliver all required attic stock as per the specification requirements. Attic stock to be neatly organized and consolidated. A letter detailing attic stock types and quantities shall be provided to WT.

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17. Provide all caulking and sealants as required, including but not limited to tile to tile joints, control joints and expansion joints. Furnish and install any expansion joints in the flooring products.
18. Coordinate with the Mechanical/Plumbing and Electrical Contractors to insure a neat and flush interface with devices installed in this work.
19. Prepare a mock-up of flooring per the specification requirements, including standard pattern to be approved by the Owner prior to commencement of work. Mock-up shall represent the standard of workmanship for the tile work and shall remain in place unless the Owner/Architect rejects the mock-up based on workmanship, in which case removal of the mock-up is included in this scope of work.
20. Verify that all air and surface temperature, moisture and humidity conditions are suitable for the installation of this work.
21. This contractor is responsible for hauling of all materials to the jobsite and work area. WT will not provide any laborers or assistance.
22. Temporary water will be provided by others, but the location may not be near your work area.
23. This contractor shall furnish and install tile and grout sealer as indicated.
24. No less than three (3) weeks prior to commencement of this work, this Contractor shall test and inspect the slab in each area for moisture content and proper adhesion as recommended by the specification. Contractor shall notify WT of any discrepancies in writing. Failure to notify WT shall constitute acceptance of existing conditions and corrective measures will be the responsibility of this Contractor
25. No less than three (3) weeks prior to commencement of this work, verify that all wall substrates where ceramic wall tile is to be installed, are plumb and square. Advise WT immediately if walls are not plumb and square. Failure to notify WT shall constitute acceptance of existing conditions and corrective measures will be the responsibility of this contractor.
26. This Contractor is responsible for surface preparation, minor flash patching, scraping of concrete splatter, divots, and other slab imperfections as well as leveling between dissimilar tile thicknesses are to be included in this Contractor's base bid. This contractor shall clean all cracks and sawcut control joints. This includes around the floor drains.
27. This Contractor is responsible for verifying positive drainage to all floor drains prior to setting tile. Provide all required slope down at floor drains if possible, with specified tile sizes. Slope to drain to be in mud bed at depressed slab areas and to be provided by concrete in thin set tile areas. Including all ramping and shot blasting necessary to meet required slope, this includes thick-set to slope if necessary. This contractor is responsible for testing for leaks after waterproofing is applied to ensure floor drains do not leak. This contractor to provide their own test balls for performing test
28. Coordinate with Mechanical and Electrical Contractors for electrical outlets, floor boxes, cleanouts, conduits, drains, piping, penetrations, etc. to ensure a neat and flush interface. Refer to Mechanical, Electrical, and Plumbing documents for current location of floor boxes and penetrations. In the event products of varying thickness and source are to be installed in a common field (i.e. mosaic infill), it is the responsibility of this Contractor to coordinate and provide build-up and substrate leveling between all products of varying thickness to ensure a uniformly flat and level installation across the field.
29. Align joints and layout patterns in accordance with contract documents. Any deviations must be approved in writing by WT / Owner / Architect before tile installation. Shop drawings must be approved prior to starting work.
30. Maintain maximum evenness between tiles. The most stringent lippage tolerances apply.
31. Maintain maximum consistency in joint width as per the specifications and as recommended by tile manufacturers. Cut tiles at all radiuses as necessary to maintain consistent even joint width (As recommended by tile manufacturers).
32. After grout and sealant have fully cured and prior to final protection, this Contractor will thoroughly clean all tile surfaces and adjacent surfaces that may have been disturbed during the installation of this work. Ensure no grout haze is left on finished tile.
33. Provide temporary protection of installed work and adjacent work at all times during the course of this work. Also, provide temporary barricades and / or caution tape to cordon off areas while mortar



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and grout are setting. Any finishes not properly protected shall not form a basis for additional compensation, time or monetary, from Whiting-Turner and / or the Owner.

34. This Contractor is responsible for protection of floor drains during waterproofing and tile installations. Clean floor drains after tile installation.
35. Provide temporary protection transitions as accepted by WT during construction and prior to substantial completion to protect tile edges and avoid tripping hazards. Provide perimeter protection at transition work areas in the form of safety tape to keep public and construction traffic off of and away from your work zone. This Contractor will be responsible to keep traffic off of flooring until tile installation is completed and protection has been installed and signed off by WT.
36. Provide and maintain protection of new tile areas throughout the course of the installation process. Protection shall be in the form of one layer of Non-dyed (non-bleeding) kraft paper with taped seams (such as ram board), one layer of Masonite on top of kraft paper with all Masonite seams taped. Provide protective transition strips at perimeters of dissimilar flooring. Remove all protection when directed by Whiting-Turner
37. Furnish and install all tile wainscot as indicated in the alternates.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

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**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-09C – SPECIFIC SCOPE OF WORK – FLOORING****SPECIFIC SCOPE – FLOORING:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
079200	Joint Sealants	In Its Entirety
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
096513	Resilient Base and Accessories	In Its Entirety
096516	Resilient Sheet Flooring	In Its Entirety
096519	Resilient Tile Flooring	In Its Entirety
096813	Tile Carpeting	In Its Entirety
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable

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Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

- 1. This contractor shall include the following requirements for shift work:***
  - a. Shift 1: 7:00am – 3:30pm***
  - b. Shift 2: 3:00pm – 11:30pm***
- 2. Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.***
- 3. Contractors shall work (2) shifts for the entire duration of the stipulated activities***
- 4. Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.***
- 5. Multiple shift requirements shall only be “lifted” at the discretion of WT.***

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
6. Work hours are 7:00 am to 3:30 pm. All contractors are required to be onsite minimum 5 days per week, 8 hours per day. If worker must report to the company’s shop or other location prior to being onsite, arrangements must be made to allow the worker to arrive at the jobsite at 7:00 am and work a full 8 hour shift onsite. Include this cost in the bid.
7. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
8. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
9. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
10. Furnish and install all flooring, base, and accessories including but not limited to resilient sheet flooring, resilient tile flooring, carpet, rubber wall base, resilient base and accessories, etc.
11. Provide all preparation work for all flooring in accordance with the manufacturer’s recommendations.
12. This contractor shall provide flash patching at in areas to receive resilient flooring and carpet.
13. This contractor shall furnish and install all rubber/vinyl base on the exposed sides and toe kicks of all casework.
14. Provide all required transition strips and miscellaneous trim pieces as required.
15. Scrape, broom and vacuum substrate to be covered by flooring immediately before installation.
16. This contractor shall clean all cracks and sawcut control joints.

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17. This contractor shall provide minor floor cleaning at the completion of the flooring installation as required in the specification sections. Others will accomplish final/occupancy cleaning.
18. Provide all required and manufacturer approved adhesives and setting bed materials.
19. Provide all required expansion joints and thresholds, sealants, control joints, etc. as required to provide a complete finished product.
20. Furnish and deliver all required attic stock as per the specification requirements. Attic stock shall be neatly organized and sorted by type. Provide a letter to WT indicated types and quantities of attic stock.
21. Provide all caulking and sealants as required, including but not limited to control joints and expansion joints. Furnish and install any expansion joints in the flooring products. Include caulking of flooring to door frames.
22. Coordinate with the Mechanical/Plumbing and Electrical Contractors to insure a neat and flush interface with devices installed in this work.
23. Prepare a mock –up of flooring per the specification requirements, including standard pattern to be approved by the Owner prior to commencement of work. Mock-up shall represent the standard of workmanship for the tile work and shall remain in place unless the Owner/Architect rejects the mock-up based on workmanship, in which case removal of the mock-up is included in this scope of work.
24. Verify that all air and surface temperature, moisture and humidity conditions are suitable for the installation of this work.
25. This contractor shall conduct moisture and/or bond tests on substrate surfaces. Notify WT of any problems/issues 2 weeks prior to installation. Installation of work constitutes acceptance of substrate.
26. This contractor is responsible for hauling of all materials to the jobsite and work area. WT will not provide any laborers or assistance.
27. Temporary water will be provided by others, but the location may not be near your work area.
28. The beginning of this Contractor's work constitutes acceptance of the floor surface. Notify WT of any problems two weeks prior to starting work.
29. All flooring and base seams must be inconspicuous, tight, flat, unpuckered edges, and free of excess adhesive.
30. Provide caulking to match at all flooring to doorframes as required.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

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**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

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**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-09D – SPECIFIC SCOPE OF WORK – CEILINGS****SPECIFIC SCOPE – CEILINGS:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
095123	Acoustical Tile Ceilings	In Its Entirety
097723	Fabric Wrapped Panels	In Its Entirety
098433	Sound-Absorbing Wall Units	In Its Entirety
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable



Division 33	Utilities	As Applicable
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**SHIFT WORK NARRATIVE:**

- 1. This contractor shall include the following requirements for shift work:**
  - a. Shift 1: 7:00am – 3:30pm**
  - b. Shift 2: 3:00pm – 11:30pm**
- 2. Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.**
- 3. Contractors shall work (2) shifts for the entire duration of the stipulated activities**
- 4. Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.**
- 5. Multiple shift requirements shall only be “lifted” at the discretion of WT.**

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. Furnish and install mock-up(s) as required by the Contract Documents. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.
6. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
7. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
8. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
9. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
10. Furnish and install all acoustical ceiling systems, complete, per the contract drawings and specifications, including but not limited to grid, hanger wire, fasteners, tile and accessories.
11. Coordinate ceiling grid and wall angle systems with wall types. All work performed by this Contractor must be coordinated with other trades.
12. Include caulking of the ceiling grid angle to the drywall partition walls where required.
13. This contractor shall assume that installations of the ceiling grid, cutting in of the perimeter tiles, and dropping in the full tiles are three separate activities that may not happen at the same time. Assume some of the tiles will be cut earlier than scheduled and turned over to the M/E/P/FP trades. Contractor to ensure there are enough of each ceiling tile type onsite daily to provide to M/E/P/FP trades.
14. This contractor shall furnish and install drywall (finish and ready for paint) per Bulkhead type D on A11.2. Include any structure and attachment methods to be coordinated with ceiling grid system.

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15. This contractor shall allow time to layout ceiling grid in each room before the Sprinkler Contractor can install their systems and piping. The sprinkler contractor will install all work after this contractor performs layout but before the installation of the grid.
16. Allow for a separate mobilization for and cut all ceiling tiles for the mechanical, electrical, plumbing and fire protection trades.
17. This contractor shall be responsible for touch-up painting of cut ceiling tile edges where exposed.
18. Prior to installing any ceiling tile, this contractor shall verify that air and surface temperature, moisture, and humidity conditions are suitable for the installation of this work. Provide documentation stating this with daily reports.
19. Furnish and install expansion and control joints in ceiling or wall construction integral with this work.
20. Furnish and install any custom metal break shapes as required or noted on the drawings that are integral to the ceiling system.
21. Furnish and install 12" axiom perimeter trim as indicated.
22. Furnish and deliver attic stock as required per the contract documents.
23. Each room's tile completion will require a WT sign-off the day of the installation.
24. This contractor shall furnish and install all fabric wrapped acoustical wall absorber panels as per the contract drawings and specifications. This includes but is not limited to all adhesives, fasteners, z-clips, furring strips, reveal systems, trim pieces and miscellaneous items required to install the panels and fabric. Coordinate any blocking requirements with the 09A drywall contractor.
25. This contractor shall provide all seams, radius corners, square corners, repeating patterns, directional weaves, etc. per the Contract Documents.
26. Acoustical panels must be tested to meet the acoustic performance requirements for ASTM C423 as outlined within the specifications. Test data must be included with the product submittals.
27. This contractor shall verify that air and surface temperatures, moisture and humidity conditions are suitable for delivery, storage, and installation of the fabric wrapped acoustical panels.
28. This contractor is responsible for all materials stored or actively being installed until after the final acceptance of the installation.
29. Each room's acoustical panel completion will require WT sign-off of the installation.
30. Provide attic stock of fabric wrapped acoustical panels as per the contract specifications.
31. This contractor shall provide all provisions to coordinate with other trades to accomplish finished products; this includes mechanical, electrical, plumbing, sprinklers, carpentry, millwork, etc.
32. This contractor shall follow WT EH&S guidelines for use of stilts. All applicable safety requirements MUST be met for contractor to use stilts. See EH&S manual for more information.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

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**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

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**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-09F – SPECIFIC SCOPE OF WORK – PAINT****SPECIFIC SCOPE – PAINT:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
099113	Exterior Painting	In Its Entirety
099123	Interior Painting	In Its Entirety
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
6. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
7. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for surface preparation and painting as required to accomplish the work described herein.
8. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
9. This contractor shall protect all surfaces from overspray. This includes finished and non-finished surfaces including steel and concrete. Protect any cabling and wires which cannot be painted in exposed ceilings shown to be painted. Include in your price the masking/protecting of finished products that may be installed prior to your painting.
10. This contractor shall promptly clean/remove any overspray from adjacent factory finished materials or glass. Cover ALL glass prior to painting.
11. This contractor shall assume that all electrical, telecom, fire alarm devices and covers will be installed at final coats of paint, assume protecting or removing (where allowed) to complete final coats of paints.
12. Furnish and install all painting including but not limited to, at a minimum, one prime coat, touch up of all GWB point up and patching prior to the final coat of paint, and two final coats at the specified thickness. If sprayed, all (3) coats must be back rolled.
13. Furnish and install all paint/special paint/block filler/epoxy paint coatings and accessory materials where indicated. Review wall sections and elevations for the extent of the work.
14. Provide the painting of all interior and exterior surfaces required by the contract drawings and specifications as shown including but not limited to all concrete, masonry, gypsum wallboard, plaster, wood and metal surfaces, hollow metal doors and frames, reveals, access panels, stairs, exterior

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- materials not prefinished, exposed steel, exposed metal deck, handrails, exterior lintels, bollards, exposed exterior gas piping, and any exposed incoming utilities and piping as required.
15. This contractor shall paint exposed items including ductwork, piping, exposed deck, exposed structure, miscellaneous equipment, conduit, etc. Protect and refrain from painting items such as sprinkler heads, fire alarm cabling, devices, etc.
  16. This contractor shall provide painting of all exposed mechanical and electrical items in mechanical rooms and occupied spaces including but not limited to uninsulated metal piping, uninsulated plastic piping, pipe hangers and supports, tanks that do not have a factory applied finish, duct, conduit, paintable insulation, etc.
  17. Include painting the fire and smoke rating markings above ceilings and/or in all locations noted.
  18. Fire rating, UL, and any other pipe or equipment labels shall not be painted over.
  19. This contractor shall include painting of any exterior or rooftop piping, steel, or mechanical devices noted to be painted.
  20. This contractor shall cover and protect all sprinkler heads prior to painting ceilings and sprinkler piping. Removal of protection shall be included in this Contractor's work.
  21. Provide painting preparation of all surfaces as required by the paint manufacturer and specification, including but not limited to all items listed in this scope of work.
  22. Provide minor prep work to hollow metal and wood trim and gypsum walls prior to installation including but not limited to sanding, scraping, puttying minor dents, minor cleaning and/or dusting, etc.
  23. This contractor shall furnish painting of all millwork, casework, wood trim, etc. not scheduled to receive a factory finish.
  24. This contractor shall furnish and install all concrete floor sealers and required primer at all locations noted in the finish schedule. Assume completing this work on off hours and/or weekends to reduce traffic and to maintain the schedule
  25. Furnish and install all high performance coatings on concrete, masonry, gypsum wallboard, and steel and metal as noted on the contract drawings.
  26. This contractor shall include cost to paint any galvanized steel that is specified to receive paint. Perform all necessary preparation and utilize the correct products to ensure proper paint adhesion.
  27. Provide attic stock at a minimum of one labeled and unopened one-gallon container of each paint/sealer color, type, and texture used on the project for turnover to the owner at project completion. Provide additional quantities as required by the specifications.
  28. The beginning of this contractor's installation constitutes acceptance of the ceiling, floor or wall surface. Notify WT of any problems two (2) weeks prior to starting work.
  29. Verify that all air and surface temperatures, moisture and humidity conditions are suitable for the installation of this work.
  30. This contractor shall cover all floor surfaces while painting. This includes finished and unfinished floors. Flooring materials need to bond to bare concrete for their warranty to be accepted. This contractor will be responsible to remove any overspray from floors.
  31. Coordinate with the GWB Partitions contractor to patch and prep for finishes as follows:
    - A. Drywall subcontractor will complete final sanding of drywall.
    - B. Painter to apply prime coat (spray and backroll is acceptable).
    - C. Whiting-Turner, Drywall and Painting Contractors to walk the entire area and review drywall quality. Imperfections will be identified by circling with a pencil.
    - D. Drywall contractor will repair all circled imperfections.
    - E. Painter will proceed with application of 1<sup>st</sup> coat.
    - F. Items C and D will be repeated, correcting any remaining imperfections.
    - G. Balance of work will be completed i.e. millwork, flooring, hardware, etc.
    - H. Painter will complete final coat by means of rolling/brushing.

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32. This contractor shall participate in a sign-off procedure, as established by Whiting-Turner, on a room by room basis after priming and point up, prior to the room being released to receive final coats of paint.
33. Include in your price the cost to perform normal punch-list touch-ups at the end of the project prior to move in.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).



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**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

**SECTION 011200-10A – SPECIFIC SCOPE OF WORK –SPECIALTIES**

**SPECIFIC SCOPE – SPECIALTIES:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	In Its Entirety
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from lifts & harnesses, or tie-offs provided by this contractor, OSHA standards must be met and followed at all times.
3. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
4. All trucks are required to clean their tires prior to leaving the project site.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
6. Furnish and install mock-up(s) as required by the specifications. Mock-up will not only be used to approve material but to establish the quality for the entire project. Any area not conforming to the mock-up will be reworked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed, review specifications for all mock-ups required.
7. Furnish attic stock as required per the specifications.
8. This contractor shall furnish and install all sealants integral to the work associated with this bid package.
9. Wiring diagrams for all electrical devices provided and/or installed by this contractor are to be provided and coordinated with the Electrical/Security Contractor in time for electrical rough-in.
10. All in wall blocking will be by the drywall contractor, 09A. The 10A Specialties Contractor is responsible to coordinate all in wall blocking required for the scope of work in this bid package with the 09A drywall contractor, during stud framing and prior to drywall install. If this contractor fails to coordinate blocking requirements with the 09A contractor then it shall be this contractor's responsibility to remove installed material to install missed blocking. It shall be this contractor's responsibility to replace any finished material that had to be removed.
11. Furnish and install all toilet and bath accessories, including by not limited to the electrical hand dryers, grab bars, mirrors, sanitary napkin disposal bins, soap and towel dispensers, shelves, and mop/broom hooks, mop/broom holders, under lavatory guards, etc. Coordinate with the Electrical Contractor for the installation of electric hand dryers. Coordinate with all applicable ADA guidelines.
12. Paper towel, toilet tissue, and soap dispensers will be furnished and installed by the owner. The 10A contractor will be responsible for any paper towel, toilet tissue, and soap dispensers specifically shown to be installed by the 10A contractor.
13. Furnish all necessary mounting hardware for a complete installation of toilet and bath accessories.

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14. Furnish and install all toilet compartments, hardware and installation accessories. This contractor is responsible to coordinate layout and installation of materials to meet all handicapped code requirements for size, layout and accessory locations. Coordinate blocking requirements with 09A contractor.
15. Furnish and install all corner guards and wall covering as indicated. Include wood top rail at wall covering.
16. This contractor shall furnish and install all visual display boards, including marker boards, tack boards, tack panels, tack panel backsplash, and visual display rails. Include all required mounting materials, inwall blocking by others.
17. Furnish and install all interior and exterior signage complete including the interior and exterior letters, building plaque, site sign, and construction sign. All mounting devices, fittings, adhesives and any other materials required to properly install all signage is to be provided by the contractor. This includes any surface mounted blocking. This contractor is responsible to coordinate all in-wall blocking for signage during wall framing. All in-wall blocking will be provided by the Drywall Contractor 09A.
18. This contractor shall furnish and install the building lettering system complete, including blocking, angles, mounting post, and letters to provide a complete installation. This contractor is responsible for field verification of all dimensions at all sign locations. This contractor is responsible for all shop drawings, product data and engineering as required for fabrication and installation of all sign components. Provide samples of each different sign type to be installed in the building as defined in the specifications. At a minimum, supports must be installed prior to metal panel/roofing activities so they can be properly flashed in.
19. Furnish and install all cubicle curtains, curtain carriers, and tracks as specified. Coordinate with the 09A contractor for blocking. Coordinate with the MEP trades to make sure the tracks are coordinated with lights, sprinkler heads, diffusers/registers, devices, etc.
20. This contractor shall furnish and install all operable partition systems complete, including but not limited to partition panels, tracks, hardware, sound seals, sweeps, special finishes, etc.
21. Steel framing for operable partitions as detailed on the contract drawings is by others. However, this contractor is responsible to coordinate layout of the operable partition with the steel contractor. Any additional support steel required for a complete operable partition system, not shown on the contract drawings is the responsibility of this contractor.
22. This contractor shall furnish and install all plaques as required by the documents and specifications including but not limited to all hardware, accessories, layout, shop drawings, samples, etc. All in wall blocking for plaques is provided by the Drywall Contractor; however, it is the responsibility of this contractor to coordinate locations for blocking during wall framing.
23. Furnish and install all fire extinguisher cabinets both (recessed and surface mounted), fire extinguishers and accessories. Recessed cabinets are to be coordinated with the drywall contractor as necessary. Include all required fire extinguisher signage and stickers. Follow all ADA and IBC mounting guidelines.
24. Furnish and install all automatic external defibrillator cabinets (recessed, semi-recessed and/or surface mounted), automatic external defibrillators, and accessories. Recessed cabinets are to be coordinated with the drywall contractor as necessary. Included all required signage and stickers. Follow all ADA and IBC mounting guidelines.
25. Furnish and install all metal lockers as indicated, including but not limited to metal lockers, hardware, accessories, identification labels, hooks, locks, filler strips, etc. Blocking and/or strapping required for the installation of lockers is by others, however this contractor is responsible for coordination of all blocking/strapping with the Drywall Contractor prior to wall close up.
26. Furnish and install all flagpoles as required by the Contract Documents. Flags are to be included as specified in the contract documents. Concrete flagpole bases will be installed by others,

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however, any required anchor bolts, sleeves, shims, sealant, mastic, and layout are to be furnished by this contractor for the foundations/bases.

27. This contractor shall furnish and install all trash receptacles per the contract documents. Concrete bases will be installed by others, but this contractor is required to provide any inserts, anchor bolts, embedded connections, etc. as necessary for proper installation to the Sitework Contractor.
28. This contractor shall furnish and install all residential appliances as per the contract documents.
29. This contractor shall be responsible for protection of ALL finishes provided by this contractor from time of installation until punchlist. Refreshing of protection shall be the responsibility of this contractor.
30. Furnish and install wall padding as indicated. Include all surface mounted blocking/clips, trim and edging required for a complete installation. Provide cutouts in mats for switches, devices, etc. as required – coordinate with MEP trades. Coordinate any blocking requirements with the 09A contractor.
31. Furnish and install Knox Box as required.
32. Furnish and install all aluminum column covers. Include shims, anchors, splices, clips, closure rings, trims, sealants, etc. required for a complete installation. Coordinate with steel and stud contractors for locations, layout, and specific requirements. Protect column covers until substantial completion. Coordinate with the framing contractor, steel contractor, and metal panel contractor.
33. Furnish and install two (2) 4'x8' exterior grade plywood signs. Signs shall be mounted on 4'x4' pressure treated posts installed in the ground. Final locations to be coordinate with WT.
34. Furnish and install HIAS (Acrovyn) wall protection per the alternate requirements. Include all fasteners, adhesives, accessories, etc. as required for a complete installation.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

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**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

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None.

**SECTION 011200-12A – SPECIFIC SCOPE OF WORK – CASEWORK**

**SPECIFIC SCOPE – CASEWORK:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
123216	Manufactured Plastic-Laminate Clad Casework	In Its Entirety
123623	Plastic-Laminate-Clad Countertops	In Its Entirety
123661.16	Solid Surfacing Countertops	In Its Entirety
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable



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Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
6. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
7. This contractor shall be certain to follow all ADA guidelines as required. This contractor shall coordinate with WT and other trades at locations where casework/millwork needs to meet ADA requirements.
8. Temporary lighting will be provided by others. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
9. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
10. This contractor is responsible for the supply and installation of all casework, tops and associated storage cabinets, shelves, cubbies, computer stations, window seats, window stools, etc. This is generally all casework in the classrooms, library, offices, break rooms, bathrooms, etc.
11. Include in the bid the cost to supply, install and remove 6 mil poly with hardboard Masonite over all horizontal surfaces and provide cardboard at all vertical surfaces to protect final installed materials and associated finishes. Securely fasten protection in place. Protection must be installed as soon as the work is complete in order to minimize damages. Removal of protection by this contractor when directed to by WT.
12. This contractor shall verify that air and surface temperatures, moisture and humidity conditions are suitable for the installation of this work. This contract shall provide air and surface documentation, including relative humidity. Installation of work constitutes acceptance of conditions.
13. Furnish and install all plastic laminate faced wood cabinets, custom solid-surfacing-material counter tops, custom plastic laminate cabinets, custom plastic-laminate counter tops, custom solid-surfacing

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- curtainwall and storefront sills, wall shelving, etc. including any hardware, fasteners, trim, closure pieces, filler panels, shims, and/or accessories for a complete installation.
14. Furnish and install solid surface window stools, include plywood substrate.
  15. Furnish and install all mailbox assemblies.
  16. Furnish and install all book cases and/or storage cubbies shown on the contract documents. Include coat hooks integral to casework cubbies.
  17. Furnish and install the casework reception desks, including all laminate tops, walls, solid surface, supports, ledgers, countertop brackets, etc. for a finished product.
  18. Furnish and install all blocking, etc. that is internal/integral to the structure of all casework.
  19. This contractor shall furnish and install all surface mounted blocking required to install the work described herein.
  20. This contractor is responsible to coordinate all concealed in-wall blocking with the Drywall Contractor. Layout and location information must be provided by this contractor prior to wall close up.
  21. All products supplied must meet the required certifications listed in the specifications. Drawings and specifications must be strictly adhered to for materials used, cabinet, drawer and countertop construction and installation.
  22. This contractor shall install and sand wood filler or putty at all joints and nail holes. If finish other than paint, the finish is the responsibility of this Contractor.
  23. This contractor is responsible to prepare and prime any product scheduled to receive a paint finish; painting is by others.
  24. Provide and install filler panels as needed. Filler panels are to be neatly scribed to conform to the profile of the adjacent construction.
  25. This contractor is responsible to coordinate and provide cutouts in casework materials for work/equipment provided by other trades. (i.e. Plumbing, Electrical, Security Equipment, etc.).
  26. This contractor shall provide all hardware associated with this work.
  27. This contractor is responsible to verify wall dimensions and/or provide hold to dimensions to the Drywall Contractor. Shop drawings and casework fabrication may need to precede wall construction.
  28. Furnish and install all grommets required.
  29. Furnish and install all locks and keys, as indicated by the contract documents.
  30. Furnish and install all accessories attached to the casework.
  31. This contractor shall be responsible for coordinating with MEP trades for plumbing, receptacles, etc. Field cutting of cabinets, etc. shall be the responsibility of this contractor.
  32. This contractor shall be responsible for furnishing and installing any tackable wall panel integral to casework furnished by this contractor.
  33. Furnish and install sealant as indicated.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

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**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

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**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

**SECTION 011200-21A – SPECIFIC SCOPE OF WORK – FIRE PROTECTION****SPECIFIC SCOPE – FIRE PROTECTION:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	In Its Entirety
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
  2. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with sprinkler work.
  3. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
  4. Provide all fire suppression piping, hangers, valves, backflow preventer, dry system valve assemblies, air compressors, sprinkler heads, fittings, fire hose cabinets, hose connection valves, identification devices, drains, labels, tags, alarm devices, flow switches, tamper switches, fire department connection, signage, etc. for a complete automatic fire protection system.
  5. Provide wet and dry systems as required to meet all local codes and inspection agency requirements.
  6. Provide incoming fire water service from a point 5’ outside the building. Provide all excavation and backfill required to perform this work. Provide sleeve in foundation wall as required for incoming fire water service.
  7. Provide fire-stopping sealant at all penetrations in fire-rated walls, floors and ceilings.
  8. Provide access doors as required.
  9. Perform hydraulic testing of all systems prior to fire marshal inspection.
  10. Verify all required clearances for all equipment.
  11. Provide all cutting, patching, core drilling, sleeves and penetrations as required. Sleeve all penetrations at all walls and floorings. Provide sleeves to the appropriate contractors as required.
  12. Provide chrome escutcheons at all exposed pipe penetrations.
  13. Provide proper sprinkler head types for any high heat locations.
  14. Provide proper sprinkler head types where required for freeze protections.
  15. Provide fire hose valves and cabinets as shown.
  16. Provide guards or screen on sprinkler heads as shown.
  17. Provide concrete splash blocks at test drain locations.
  18. Provide all fall protection and safety measures required to complete this work.
  19. Provide scaffolding, rigging, hoisting, security and storage for this work.
  20. Furnish and install any penetration through exterior wall or roof deck prior to spray foam and roofing contractors starting their work. If this contractor installs a penetration after this work is complete it will be this contractor’s responsibility to properly patch and seal the penetration(s).
  21. Coordinate all power and fire alarm wiring requirements with electrical contractor and special systems contractor.
  22. MEP COORDINATION:  
Each MEP Contractor shall be responsible to take part in the MEP coordination process. This coordination process will be done using two dimensional drawings. The Mechanical Contractor shall be responsible to take the lead in this process, overlay all other MEP trade coordination drawings and create a totally coordinated set of MEP shop drawings that the MEP systems can be installed to. In addition as-built modifications shall also be the responsibility of the Mechanical Contractor at the
- SPECIFIC SCOPE OF WORK – 21A FIRE PROTECTION

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completion of the project. Once all as-built modifications are made the Mechanical Contractor shall provide drawings in both hard copy and electronic format as part of the O&M documentation.

The process will be as follows: Before any coordination drawings are started a coordination meeting will be held. All MEP contractors will be required to attend. At the initial meeting the items to be discussed will be as follows.

- #1 – Electronic software to be used
- #2 – Scale to be used
- #3 – Assignments of layers to each MEP Contractor
- #4 – Sequence of design based on construction sequence through the building

After the initial meeting all MEP Contractors will be given a copy of the project backgrounds. It will be the Mechanical Contractors responsibility to make sure these backgrounds are imported onto the coordination drawings. In addition steel shop drawings will also be distributed for use in the coordination process. Each MEP Contractor will create their coordination drawings based on the layer or elevation given to them in the initial coordination meeting. If any part of their work extends out of the designated layer they are to notify both the Construction Manager and the Mechanical Contractor of this potential interference. Once notified the Mechanical Contractor will research if the potential interference impacts other systems and will present possible solutions at bi weekly coordination meeting. At the bi weekly coordination meetings these potential interferences and solutions will be discussed and the least cost solution will be utilized. All MEP Contractors are responsible to attend these bi weekly meetings and send at least 3 days in advanced updated files of their coordination drawings to the Mechanical Contractor so the coordination drawings at the meeting are current. These meetings will continue until the coordination process is complete. If an MEP Contractor does not see fit to attend these meetings or if electronic updates of their coordination drawings are not sent to the mechanical contractor in a timely fashion a \$500.00 penalty may be assessed and a credit change order issued to their contract. Please note that the coordination process is part of building the project. No additional compensation will be due for relocation of any MEP systems as part of this coordination process.

### **ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

### **ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

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**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)



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**UNIT PRICES**

None.

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**SECTION 011200-23A – SPECIFIC SCOPE OF WORK – MECHANICAL & PLUMBING****SPECIFIC SCOPE – MECHANICAL & PLUMBING:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

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The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	In Its Entirety
Division 26	Electrical	In Its Entirety
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE (FOR UNDERGROUND PLUMBING ACTIVITIES):**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**SHIFT WORK NARRATIVE (FOR OVERHEAD ROUGH-IN, IN-WALL ROUGH-IN, MECHANICAL SYSTEM DEVICES & FIXTURES, PLUMBING SYSTEM DEVICES & FIXTURES):**

7. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
8. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
9. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
10. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
11. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Provide all fall protection and safety measures required to complete this work.
3. Provide all mock-ups as required by specifications. Mock-ups will be used to approve materials and establish level of quality for the work.
4. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with mechanical work.
5. Provide all warranties for material, equipment and labor as specified.
6. Provide fire-stopping sealant for all penetrations at wall, floors and ceilings.
7. Field superintendent required on-site at all times contractor’s forces or subcontractor’s forces are working.
8. Provide access panels as required for concealed valves or devices. Access panel locations to be coordinated with construction manager.
9. Provide all louvers and vents. Refer to mechanical and architectural drawings for all louver locations. Provide blank-off plates at unused sections of louvers.
10. Provide all cleanout and escutcheon plates as required.
11. Provide final utility connections to all food service equipment. Provide all plumbing and HVAC connections including domestic water, gas, sanitary drainage, vent, exhaust duct, condensate, traps,

valves, insulation. Include setting and grouting of floor troughs and drain troughs after concrete pour. Troughs and drain troughs will be furnished by kitchen contractor.

12. Provide final assembly of plumbing and HVAC related utility connections.
13. Furnish and install all equipment indicated in the mechanical schedule including electric cabinet heaters, electric unit heaters, and electric panel radiation.
14. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
15. Perform hydraulic tests for all systems. All tests to be witnessed by Whiting-Turner. Provide all testing documentation to Whiting-Turner.
16. Verify all required clearances for all equipment.
17. MEP COORDINATION:

Each MEP Contractor shall be responsible to take part in the MEP coordination process. This coordination process will be done using two dimensional drawings. The Mechanical Contractor shall be responsible to take the lead in this process, overlay all other MEP trade coordination drawings and create a totally coordinated set of MEP shop drawings that the MEP systems can be installed to. In addition as-built modifications shall also be the responsibility of the Mechanical Contractor at the completion of the project. Once all as-built modifications are made the Mechanical Contractor shall provide drawings in both hard copy and electronic format as part of the O&M documentation.

The process will be as follows: Before any coordination drawings are started a coordination meeting will be held. All MEP contractors will be required to attend. At the initial meeting the items to be discussed will be as follows.

- #1 – Electronic software to be used
- #2 – Scale to be used
- #3 – Assignments of layers to each MEP Contractor
- #4 – Sequence of design based on construction sequence through the building

After the initial meeting all MEP Contractors will be given a copy of the project backgrounds. It will be the Mechanical Contractors responsibility to make sure these backgrounds are imported onto the coordination drawings. In addition steel shop drawings will also be distributed for use in the coordination process. Each MEP Contractor will create their coordination drawings based on the layer or elevation given to them in the initial coordination meeting. If any part of their work extends out of the designated layer they are to notify both the Construction Manager and the Mechanical Contractor of this potential interference. Once notified the Mechanical Contractor will research if the potential interference impacts other systems and will present possible solutions at bi weekly coordination meeting. At the bi weekly coordination meetings these potential interferences and solutions will be discussed and the least cost solution will be utilized. All MEP Contractors are responsible to attend these bi weekly meetings and send at least 3 days in advanced updated files of their coordination drawings to the Mechanical Contractor so the coordination drawings at the meeting are current. These meetings will continue until the coordination process is complete. If an MEP Contractor does not see fit to attend these meetings or if electronic updates of their coordination drawings are not sent to the mechanical contractor in a timely fashion a \$500.00 penalty may be assessed and a credit change order issued to their contract. Please note that the coordination process is part of building the project. No additional compensation will be due for relocation of any MEP systems as part of this coordination process.

18. Provide all vibration isolation devices and thrust restraints for all equipment as specified.
19. Provide all cutting, patching, core drilling, sleeves and penetrations as required. Sleeve all penetrations at all walls and floorings. Provide sleeves to the appropriate contractors as required.

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20. Provide and set sleeves in foundation walls for all utilities. Provide all below slab plumbing piping to a point 5' outside exterior walls. All final utility (water and sewer) connections by this contractor regardless of the sequence of the utility installation.
21. Provide grease interceptor and associated piping.
22. Provide all hydronic piping and duct insulation per contract documents.
23. Perform flushing, testing and sterilizing of domestic water systems.
24. Provide complete plumbing system to include all domestic water piping, gas piping, valves, backwater valves, storm water piping, roof drains, floor drains, kitchen floor drains, vent piping, plumbing fixtures, plumbing equipment, hose bibs, yard hydrants, roof hydrants, cleanouts, pipe anchors, hot water heaters, expansion tanks, circulator pumps, condensate pumps, mixing valves, gas regulators, eye wash stations, etc.
25. Coordinate installation of roof drains with roofer. This may required furnish roof drain components to roofer for installation if necessary for compatibility with roofing system.
26. Coordinate gas piping installation with local utility company. Provide all gas piping downstream of gas meter. Provide all supports and accessories for gas piping and system. Provide all gas regulators, relief valves and vents.
27. Provide all vents and drains at high and low points in piping.
28. Furnish, install, maintain and remove temporary water service during construction. Provide a temporary hose bib and utility sink in the custodial closet. Connect temporary water service to main service utility piping. Provide temporary roof drain piping until permanent connections to storm system are made.
29. Provide all necessary items for complete HVAC system. Provide piping, equipment, sheet metal ductwork, double-wall duct, fans, grilles, registers, diffusers, valves, labels, tags, sealants, insulation, cleanouts, dampers, access doors and panels.
30. Controlled dampers provided by ATC contractor and installed by this contractor.
31. Ductwork to be coordinated with steel joists to allow for ductwork to be run through the webbing of the bar joists
32. Provide layout to other trades for all ductwork and piping passing through walls and floors.
33. Provide access doors in ductwork as required.
34. Provide temporary heating and cooling during construction. New equipment shall be used to condition the building as needed to allow finish trades to complete their work. New equipment needs to be installed and operational as soon as practical. Change all filters as needed while new equipment is used during construction.
35. Furnish and install all pipe and duct insulation required per the contract documents. Include shields and saddles at hanger and vapor barriers as required.
36. Furnish and install any penetration through exterior wall or roof deck prior to spray foam and roofing contractors starting their work. If this contractor installs a penetration after this work is complete it will be this contractor's responsibility to properly patch and seal the penetration(s).
37. All warranties for equipment that is used prior to final completion for construction heating or cooling shall be extended to provide owner with full term of specified warrant from date of final completion.
38. All equipment used prior to final completion shall be serviced, inspected and cleaned prior to final completion and acceptance by owner.
39. Provide new filters in all equipment prior to final testing and balancing.
40. Provide all grilles and diffusers in walls and ceilings. Coordinate rough opening sizes with appropriate contractors.
41. All ductwork to be delivered to project clean with ends sealed. Upon completion of ductwork installation each day, open ends of duct to be sealed. If ductwork is found to be dirty, duct shall be cleaned by contractor.
42. Provide start-up, testing and commissioning of all new equipment and systems as specified.
43. Perform pre-construction review of ductwork shop drawings with Testing & Balancing contractor and mechanical engineer to review locations of balancing dampers.

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44. Perform all duct leakage testing per specifications. Submit testing procedures to construction manager.
45. Coordinate with electrical contractor to provide shutdown of necessary HVAC equipment upon activation of duct-mounted smoke detectors. Provide control wiring as required. Confirm proper operation with electrical contractor.
46. Provide all concrete housekeeping pad locations and layout for mechanical and plumbing equipment. Forming and pouring concrete by the 03A Concrete Contractor.
47. Provide emergency gas solenoid valves as shown.
48. Provide all motor starters, disconnects, VFDs scheduled to be supplied with new equipment.
49. Verify electrical requirements for new mechanical and plumbing equipment matches the electrical drawings. Coordinate all power requirements with electrical contractor.
50. Coordinate work in kitchen with kitchen equipment contractor.
51. Provide scaffolding, rigging, hoisting, security and storage for this work.
52. Provide five (5) days' notice prior to shutdown of any system.
53. Provide all hangers and supports required for proper installation of the work described herein. Include beam clamps etc. required for a complete installation.
54. Provide final cleaning of the interior of all new equipment.
55. Cut all metal decking as required for installation of ductwork, piping, equipment thru the roof and elevated floor slab. Coordinate penetrations with steel and roof contractors.
56. Provide complete acoustical accessory package for all mechanical equipment, ductwork, plumbing equipment, accessories and curbs as indicated.
57. Install duct smoke and heat detectors in ductwork. Devices provided by electrical or special systems contractor.

**ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

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**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

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**UNIT PRICES**

None.



**SECTION 011200-23B – SPECIFIC SCOPE OF WORK – AUTOMATIC TEMPERATURE CONTROLS****SPECIFIC SCOPE – AUTOMATIC TEMPERATURE CONTROLS:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	In Its Entirety
Division 23	HVAC	In Its Entirety
230900	Automatic Temperature Controls	In Its Entirety
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. This contractor shall provide all design, engineering and certifications as required for this work.
3. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
4. All trucks are required to clean their tires prior to leaving the project site.
5. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
6. Provide complete automatic temperature control system per drawings and specifications. Include all wiring, temperature sensors, discharge air sensors, outside air sensors, humidity sensors, current sensors, CO2 sensors, flow sensors, and DDC controllers as required.
7. Raceways, conduit, junction boxes, and pull strings provided by the electrical contractor as indicated in the contract documents. If this contractor requires additional conduit, junction boxes, pull string above and beyond the contract document requirements than it shall be the responsibility of this contractor to provide.
8. Provide outdoor ambient light level sensor as required. Provide all programming and integration with electricians lighting control system as required.
9. Provide a complete biohazard shutdown system as required.
10. Provide labels and tags for all devices and equipment.
11. Patch piping or duct insulation damaged as a result of this work.
12. Perform owner training of all equipment and systems.
13. Provide all computers and software as specified.
14. Provide all motor-operated dampers, control valves, thermostats, sensors, etc.
15. Coordinate power requirements with electrical and mechanical contractor.
16. Review mechanical equipment submittals to provide proper system functionality.
17. Provide BAS/DDC controller and interface, sensors, devices for operation of air handling equipment as specified.
18. Mount and wire zone sensors for air handling equipment as required.
19. Furnish all controlled dampers as required. Installation of dampers by mechanical contractor. Wiring, programming, commissioning by this contractor.
20. Furnish and install control cabinets.
21. Provide communication wiring from factory mounted unit controllers to ATC system controller. Provide programming to complete sequence of operation as specified.
22. ATC system shall communicate and function with district-wide head-end system provided and maintained by others.
23. All low voltage cabling for ATC system shall be plenum-rated where required by code.
24. Assist with equipment start-up to insure proper operation and functionality.

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25. Nearing project completion and as directed by Whiting-Turner, this contractor shall demonstrate proper operation of all HVAC equipment and demonstrate proper function and graphics display of head-end computer within building.
26. Provide mechanical systems commissioning assistance. Contractor shall provide labor and material assistance, including that of the approved manufacturer representatives / technicians to the Third Party Commissioning Agent as required to demonstrate proper operation of all mechanical equipment and systems.

**ALLOWANCES**

**Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:**

1. None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

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**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-26A – SPECIFIC SCOPE OF WORK – ELECTRICAL****SPECIFIC SCOPE – ELECTRICAL:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	In Its Entirety
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**OVERTIME NARRATIVE (FOR UNDERGROUND ELECTRICAL ACTIVITIES):**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
6. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**SHIFT WORK NARRATIVE (FOR ELECTRICAL OVERHEAD ROUGH-IN, IN-WALL ROUGH-IN, ELECTRICAL SYSTEM DEVICES & FIXTURES):**

7. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
8. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
9. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
10. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
11. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Include all fall protection required to complete this contractors scope of work.
3. Furnish, install, maintain and remove temporary power and lighting. Assume separate mobilization to establish temporary service. Temporary service to be provided by installing and using permanent infrastructure. Extend underground service from existing meter location to central location within building. Reference “W-T Site Logistics Plan” for additional information. Provide temporary equipment for the temporary service if permanent equipment cannot be procured by the temp power milestone (see schedule). If this contractor cannot provide temporary electric using permanent infrastructure it will be this contractor’s responsibility to provide generators and fuel for temporary power.
4. Contractor will be responsible for maintaining, repairing, and installing all temporary lights, panels, and receptacles per CM direction. It is the CM’s intent to power permanent panels as quickly as possible to allow temporary power to be demolished and all power to be distributed through the permanent panels. Temporary power will need to be distributed to ensure all trades can work with cords no longer than 100 ft. Lighting will be needed throughout the project interior and exterior and will need to be reworked as the job progresses. Interior lighting will be supported and checked daily for any repairs that are needed. Removal of ALL temporary electrical equipment will be the responsibility of this contractor, ensure not to damage existing work in place. All temporary will be no less than OSHA requirements, refer to WT EH&S manual for additional requirements.

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5. Provide temporary lighting to meet OSHA & WT standards. Light circuits are to be separate from power circuits. The lighting is to be controlled by labeled breakers or switches and by north and south portions of the building. Relocate the temporary lights to coordinate with the installation of partitions and other work so that every room including closets or small storage areas have a minimum of one light. Refer to WT EH&S manual for additional requirements.
6. Furnish and install temporary electrical service to WT construction trailer. Service shall be minimum 200 amp. Include all temporary poles, equipment, conduit, devices, wire, etc. as required for a complete install.
7. Furnish and install four (4) exterior rated LED flood lights on the WT construction trailer, include all wiring and conduit necessary. These lights shall be "dusk to dawn" sensor controlled.
8. When directed by the Construction Manager, remove the existing temporary electrical services that were installed by this contractor, ensure not to damage existing work in place.
9. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with electrical work.
10. Furnish and install all interior and exterior electrical power and lighting systems in their entirety.
11. Furnish and install all interior and exterior conduit, raceways, and pullstrings for electrical power, lighting, fire alarm systems, special systems, security, access control, camera, and telephone and data communication systems, regardless of whether this contractor is responsible for final install of those particular systems. Coordinate locations and routing with applicable contractors.
12. Include concrete ductbanks for power and tele/data cabling and conduit as shown. Provide all excavation and backfill for underground electrical and tele/data utilities. Remove excess soil from site as required. Contractor to follow WT EH&S requirements for soft dig, see WT EH&S manual for more information.
13. Provide all underground electrical utilities, conduit, wire, handholes, manholes, quazite boxes, concrete, etc. for new incoming permanent electrical service, site lighting system, special systems and telecommunication systems.
14. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
15. Provide all shop drawings, submittals and mock-ups per specifications.
16. Provide warranties and guarantees as specified. Provide as-built drawings, O&M manuals and all other closeout documentation required by specifications.
17. Sub-grade to be returned to original state after completion of utility work.
18. Coordinate new permanent electrical service with utility company.
19. Provide all site lighting poles, fixtures, concrete bases (including reinforcement), anchor bolts, wiring and conduit. Include excavation and haul off of excess materials as required.
20. Provide boxes and raceways required in any poured concrete walls or floors. Coordinate with other contractors accordingly.
21. Provide conduit and wire in all exposed ceiling spaces for power and lighting. MC cable, or equivalent, not acceptable in any exposed ceiling space.
22. Provide all interior and exterior concrete pad layout required for new electrical equipment. Concrete by others.
23. Provide pull strings in ALL empty raceways.
24. Provide electrical inspections as required per construction manager schedule and as required for progress inspections.
25. Clock/speaker system, public address system, fire alarm system, AV equipment and devices, access control, intrusion detection are by others. Provide all conduit, junction boxes, and pull string required for these items.
26. All AV system work shall be provided by others. This contractor to provide all required ceiling, floor and wall rough-in and infrastructure required for all AV devices and equipment. All AV equipment, devices, components, wiring, installation for all locations shall be provided by others.

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27. All fire alarm system work shall be provided by others. This contractor to provide all required ceiling, floor and wall rough-in and infrastructure required for all fire alarm devices and equipment. All fire alarm equipment, devices, components, wiring, installation for all locations shall be provided by others.
28. All tele data work shall be provided by others. This contractor to provide all required ceiling, floor and wall rough-in and infrastructure required for all tele data devices and equipment. All tele data equipment, devices, components, wiring, installation for all locations shall be provided by others.
29. Provide any and all code-required work for fire alarm and electrical systems, if not shown on the project documents.
30. Provide any power and systems wiring to mechanical, fire, and/or smoke dampers.
31. Provide all grounding work as required. Provide all grounding busbars and hardware as shown or as required.
32. Provide conduit, wire and terminations to the BAS system for lighting controls or contactors.
33. Provide final connections to all kitchen equipment. Provide hard-wire connections to equipment as shown. Provide plug and cord connections to equipment as shown. Provide all wiring, conduit and connections to lights, receptacles, alarms, sensors, etc.
34. Provide power wiring and low voltage wiring and connections for electrified doors and door hardware.
35. All electrical penetrations in floors and walls to be fire/smoke/sound sealed as required.
36. Provide all lighting control devices as shown.
37. Provide final cleaning of all panels and electrical gear including interior of equipment.
38. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
39. Provide all labels and tags on devices, receptacles, junction boxes, and panels as required. Color code junction boxes and conduit as required by specifications.
40. Furnish and install motor starters, disconnects, and combination starters for all mechanical equipment that is not supplied with an integral device. Refer to equipment schedules.
41. Furnish and install any penetration through exterior wall or roof deck prior to spray foam and roofing contractors starting their work. If this contractor installs a penetration after this work is complete it will be this contractor's responsibility to properly patch and seal the penetration(s).
42. Include time to perform a mock fire marshal inspection for Whiting-Turner to witness prior to the actual fire marshal inspection.
43. The mechanical, plumbing, fire alarm, tele data, special systems, security and food service equipment submittals will be forwarded for review by this contractor. Report any wiring/power discrepancies to WT prior to installing the work under this contract.
44. All warranties for equipment that is used prior to final completion for construction heating or cooling shall be extended to provide owner with full term of specified warrant from date of final completion.
45. All equipment used prior to final completion shall be serviced, inspected and cleaned prior to final completion and acceptance by owner.
46. Provide start-up, testing and commissioning of all new equipment and systems as specified.
47. Provide scaffolding, rigging, hoisting, security and storage for this work.
48. Provide 5 days notice prior to shutdown of any system.
49. Provide all supports required for proper installation of this work.
50. Provide final cleaning of the interior of all new equipment.
51. Cut all metal decking as required for installation of items through the roof. Coordinate penetrations in steel and roofing contractors.
52. Provide power to monument sign. Refer to architectural and civil plans for additional information.
53. Refer to E4.2 for future telecom tie-in to existing Brick Mill Elementary School:
  - a. This contractor owns removal/reinstall of ACT or other ceiling systems required to complete this work. Return ceiling back to existing condition.



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- b. Telecomm cable can be run within existing ceiling without conduit as code or district code allows. Cable to be routed to avoid removal of drywall ceilings and to minimize ceiling removal and patching all together. Contractor responsible for fire caulking/fire safing all penetrations through existing walls. Spacing of cable supports as per specifications required.
- c. This contractor shall own penetrating existing building structure and shall waterproof/seal and patch back with similar material/finishes. Include any excavation required to complete this work. Return site back to existing condition.

### **54. MEP COORDINATION:**

Each MEP Contractor shall be responsible to take part in the MEP coordination process. This coordination process will be done using two dimensional drawings. The Mechanical Contractor shall be responsible to take the lead in this process, overlay all other MEP trade coordination drawings and create a totally coordinated set of MEP shop drawings that the MEP systems can be installed to. In addition as-built modifications shall also be the responsibility of the Mechanical Contractor at the completion of the project. Once all as-built modifications are made the Mechanical Contractor shall provide drawings in both hard copy and electronic format as part of the O&M documentation.

The process will be as follows: Before any coordination drawings are started a coordination meeting will be held. All MEP contractors will be required to attend. At the initial meeting the items to be discussed will be as follows.

- #1 – Electronic software to be used
- #2 – Scale to be used
- #3 – Assignments of layers to each MEP Contractor
- #4 – Sequence of design based on construction sequence through the building

After the initial meeting all MEP Contractors will be given a copy of the project backgrounds. It will be the Mechanical Contractors responsibility to make sure these backgrounds are imported onto the coordination drawings. In addition steel shop drawings will also be distributed for use in the coordination process. Each MEP Contractor will create their coordination drawings based on the layer or elevation given to them in the initial coordination meeting. If any part of their work extends out of the designated layer they are to notify both the Construction Manager and the Mechanical Contractor of this potential interference. Once notified the Mechanical Contractor will research if the potential interference impacts other systems and will present possible solutions at bi weekly coordination meeting. At the bi weekly coordination meetings these potential interferences and solutions will be discussed and the least cost solution will be utilized. All MEP Contractors are responsible to attend these bi weekly meetings and send at least 3 days in advanced updated files of their coordination drawings to the Mechanical Contractor so the coordination drawings at the meeting are current. These meeting will continue until the coordination process is complete. If an MEP Contractor does not see fit to attend these meetings or if electronic updates of their coordination drawings are not sent to the mechanical contractor in a timely fashion a \$500.00 penalty may be assessed and a credit change order issued to their contract. Please note that the coordination process is part of building the project. No additional compensation will be due for relocation of any MEP systems as part of this coordination process.

### **ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and

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profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

**SECTION 011200-27A – SPECIFIC SCOPE OF WORK – TELEDATA**

**SPECIFIC SCOPE – TELEDATA:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

1. *This contractor shall include the following requirements for shift work:*
  - a. *Shift 1: 7:00am – 3:30pm*
  - b. *Shift 2: 3:00pm – 11:30pm*
2. *Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
3. *Contractors shall work (2) shifts for the entire duration of the stipulated activities*
4. *Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
5. *Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with this work.
3. Furnish and install all interior and exterior teledata systems.
4. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
5. Provide all shop drawings, submittals and mock-ups per specifications.
6. Provide warranties and guarantees as specified.
7. Provide all underground teledata utilities, conduit, wire, handoles, etc. for new incoming permanent telecommunication systems.
8. Provide all excavation and backfill for underground teledata utilities. Remove excess soil from site as required.
9. Provide inspections as required per construction manager schedule and as required for progress inspections.
10. Furnish and install all VoIP and data cabling, equipment, station outlets, conduit, boxes, cable tray, equipment racks, patch panels, backbone cabling, fiber optic cabling, cable support system, wire management materials, video cables, shielded audio cables, wireless access points, devices, etc. for complete telephone and data system.
11. Provide as-built drawings, O&M manuals and all other closeout documentation required by specifications.
12. Provide any and all code-required work for teledata systems, if not shown on the project documents.
13. Provide any systems wiring to mechanical fire and/or smoke dampers.
14. Provide all grounding work as required.
15. Raceways, conduit, junction boxes, and pull strings provided by the electrical contractor as indicated in the contract documents. If this contractor requires additional conduit, junction boxes, pull string above and beyond the contract document requirements than it shall be the responsibility of this contractor to provide.
16. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
17. Provide all labels and tags on devices, receptacles, junction boxes, and panels as required. Color code junction boxes and conduit as required by specifications.
18. All warranties for equipment that is used prior to final completion for construction heating or cooling shall be extended to provide owner with full term of specified warrant from date of final completion.
19. All equipment used prior to final completion shall be serviced, inspected and cleaned prior to final completion and acceptance by owner.
20. Provide start-up, testing and commissioning of all new equipment and systems as specified.
21. Provide scaffolding, rigging, hoisting, security and storage for this work.
22. Provide 5 days notice prior to shutdown of any system.

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23. Provide all supports required for proper installation of this work.
24. Provide final cleaning of the interior of all new equipment.
25. Contractor to provide means for a temporary internet connection for construction use in the building.  
This should be made available by the time permanent roof is installed.

**ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

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**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-27C – SPECIFIC SCOPE OF WORK – SPECIAL SYSTEMS****SPECIFIC SCOPE – SPECIAL SYSTEMS:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
260731	Wireless Clock System	In Its Entirety
260740	Network Cabling Systems (DCET) Schools	In Its Entirety
260773	Classroom Audio, Safety, & Intercommunication System	In Its Entirety
Division 28	Electronic Safety and Security	In Its Entirety



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Division 31	Earthwork	As Applicable
Division 32	Exterior Improvements	As Applicable
Division 33	Utilities	As Applicable

**SHIFT WORK NARRATIVE:**

- 1. This contractor shall include the following requirements for shift work:*
  - a. Shift 1: 7:00am – 3:30pm*
  - b. Shift 2: 3:00pm – 11:30pm*
- 2. Contractors working (2) shifts shall provide equal crew sizes, with foreman for each shift. Crew sizes will be mutually agreed upon prior to award.*
- 3. Contractors shall work (2) shifts for the entire duration of the stipulated activities*
- 4. Contractors shall indicate the value of overtime labor on the bid form in the locations provided for both the base bid and applicable alternates. This value will be tracked by WT during the project.*
- 5. Multiple shift requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, special systems and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with this work.
3. Furnish and install all interior and exterior fire alarm systems and detection, intrusion detection system, CCTV-network digital video management system, access control & security management, classroom audio, safety, and intercom system, and wireless clock system
4. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
5. Provide all shop drawings, submittals and mock-ups per specifications.
6. Provide all software and programming for all systems described herein.
7. Provide warranties and guarantees as specified.
8. Provide inspections as required per construction manager schedule and as required for progress inspections.
9. Provide as-built drawings, O&M manuals and all other closeout documentation required by specifications.
10. Provide a complete intrusion system. Include all wiring, equipment, devices, and programming as required for a complete system. Coordinate this work with the 08A and 08B contractors, provide all necessary interface equipment as required.
11. Provide complete clock system.
12. Provide complete public address and intercom system. Include all wiring, equipment, devices, and programming as required for a complete system
13. Provide complete fire alarm system. Include all wiring, devices, panels, etc. required for a complete installation. Include control and monitoring of systems as indicated. Coordinate with electric and fire protection engineer
14. Provide all cabling for systems described herein.
15. Provide all AV equipment and devices.
16. Provide any and all code-required work for fire alarm, if not shown on the project documents.
17. Provide any connections, tie-ins, monitoring, etc. of equipment and devices installed by others as required by contract documents, building code, New Castle County code, or District requirements/standards.
18. Raceways, conduit, junction boxes, and pull strings provided by the electrical contractor as indicated in the contract documents. Coordinate closely with the electrician. If this contractor requires

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additional conduit, junction boxes, pull string above and beyond the contract document requirements than it shall be the responsibility of this contractor to provide.

19. Provide final cleaning of all panels and equipment including interior of equipment.
20. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
21. Provide all labels and tags on devices, receptacles, junction boxes, and panels as required. Color code junction boxes and conduit as required by specifications.
22. Include time to perform a mock fire marshal inspection for Whiting-Turner to witness prior to the actual fire marshal inspection.
23. The mechanical, plumbing, electrical, fire suppression, door/frame/hardware and food service equipment submittals will be forwarded for review by this contractor. Report any wiring/power discrepancies to WT prior to installing the work under this contract.
24. All equipment used prior to final completion shall be serviced, inspected and cleaned prior to final completion and acceptance by owner.
25. Provide all programming as required to complete all systems described herein.
26. Provide start-up, testing and commissioning of all new equipment and systems as specified.
27. Provide scaffolding, rigging, hoisting, security and storage for this work.
28. Provide 5 days notice prior to shutdown of any system.
29. Provide all supports required for proper installation of this work.

**ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

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**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1

**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES**

None.

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**SECTION 011200-31A – SPECIFIC SCOPE OF WORK – SITEWORK**

**SPECIFIC SCOPE – SITEWORK:**

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

**SPECIFICATION SECTIONS**

Prepared by Gilbert Architects, dated June 23, 2020:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

<b>Section</b>	<b>Description</b>	<b>Responsibility</b>
Division 00	Bidding and Contract Requirements	In Its Entirety
Division 01	General Requirements	In Its Entirety
Division 03	Concrete	As Applicable
Division 04	Masonry	As Applicable
Division 05	Metals	As Applicable
Division 06	Wood, Plastics, and Composites	As Applicable
Division 07	Thermal and Moisture Protection	As Applicable
Division 08	Openings	As Applicable
Division 09	Finishes	As Applicable
Division 10	Specialties	As Applicable
Division 11	Equipment	As Applicable
Division 12	Furnishings	As Applicable
Division 21	Fire Suppression	As Applicable
Division 22	Plumbing	As Applicable
Division 23	HVAC	As Applicable
Division 26	Electrical	As Applicable
Division 28	Electronic Safety and Security	As Applicable
Division 31	Earthwork	In Its Entirety
Division 32	Exterior Improvements	In Its Entirety
Division 33	Utilities	In Its Entirety

**OVERTIME NARRATIVE (INCLUDES ALL ACTIVITIES LEADING UP TO, AND INCLUDING, BASE PAVING. INCLUDES INFILTRATION BASINS, FINAL GRADING, AND PARKING LOT TIE-INS):**

1. *This contractor shall include the following requirements for overtime:*
  - a. *(4) 10 hour days, Monday – Thursday*
  - b. *(1) 8 hour day, Friday*
  - c. *(1) 8 hour day, Saturday*
  - d. *Contractors may choose to work additional hours each day as weather permits. Each contractor must still work 6 days per week until the specific activity is complete.*
2. *Contractors shall use the overall durations of their activities to determine the number of weeks the extended hours are required.*
3. *Contractors shall work the hours above with their normal crew size, at a minimum. Crew sizes will be mutually agreed upon prior to award.*
4. *Contractors shall also note where multiple crews and/or increased manpower will be required when activities are shown as overlapping.*
5. *Extended hours requirements shall only be “lifted” at the discretion of WT.*

**NARRATIVE:**

1. Include the cost of performance and payment bonds in the base bid.
2. Arrange for and coordinate with Miss Utility and other applicable entities to identify and locate existing utilities.
3. Provide, maintain and remove all erosion and sediment control measures as shown. Include all inlet protection.
4. Provide and maintain all site stabilization as indicated.
5. Provide, maintain and remove stabilized construction entrances as shown. Provide new drain piping at existing gravel entrance on Brick Mill Road to promote proper drainage. Place stone and/or asphalt millings to blend existing grades between Brick Mill Road and existing gravel lot.
6. Perform all work in accordance with sequence of construction on documents.
7. Provide, maintain and remove wash area for trucks and equipment at exit on Brick Mill Road.
8. Provide all site demolition (including, but not limited to, earthwork, stone, asphalt, and concrete), clearing and grubbing as indicated. Investigate site and remove all items required to complete all items of work.
9. Provide dewatering and mucking necessary to complete all items of work.
10. Review geotechnical report and include all work associated with existing soil conditions including fill requirements and ground water conditions. Take note of topsoil depths and rock locations.
11. This contractor shall include rock and boulder removal provided the encountered rock and boulders can be removed with the use of a CAT 325 excavator (or similar).
12. Provide all site utilities including domestic water piping, fire water piping and hydrants, storm piping, rainwater conductor piping and sanitary piping to a point within 5’ of building. Assume final connections for all utilities are by this contractor. Perform pressure testing on all piping. Provide flushing, cleaning and sterilizing of domestic and fire water piping.
13. Provide sanitary sewer system including excavation, backfill, inspections, testing, setting beds, piping, manholes, structures, etc. Coordinate shutdown with local agencies. Notify adjacent residences of disturbance to existing services to complete this work. Coordinate with mechanical contractor for work at grease trap.
14. Provide new fire water and domestic water piping and hydrants. **Work by this contractor to begin at the new valves shown at the property line. Valves to be furnished and installed by others. Include water meter pit per Artesian Water standards.**
15. New water main piping to be installed as dictated in the project schedule to allow for water usage during construction. Provide 2” temporary water hydrant at location determined by Whiting-Turner.

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16. Provide all fire hydrants. Confirm fire hydrants comply with local authorities having jurisdiction. Include color coordinated painted hydrant tops as required.
17. Review plumbing drawings for sanitary and storm piping connecting to your work.
18. Provide all stormwater management items including piping, structures, manholes, catch basins, concrete cradles, underdrain, rainwater conductor piping, SWM facility, outlet structure, gabion baskets, clay core trenches, rip rap, mulch, filter strips, gravel trenches, etc. Provide all excavation, backfill and bedding materials.
19. Adjust existing manhole elevations as indicated.
20. Furnish and install all filter strips and gravel trenches.
21. Provide all RWC lateral piping as shown from roof downspout to RWC main. Downspout boot provided by this contractor, coordinate attachment of downspout boot with exterior façade contractor(s).
22. Provide all grading as required for SWM facility.
23. Provide seeding and stabilization at SWM facility upon completion.
24. All temporary SWM items to be removed upon completion.
25. Provide dewatering, clearing and mucking of SWM immediately prior to substantial completion.
26. Provide all site preparation, earthwork, excavation, filling, grading and equipment to achieve final design grades.
27. All finish grades are to be properly blended to allow smooth transitions.
28. Protect and/or avoid all existing underground utilities. Protect all existing utility and utility structures shown to remain but are within the LOD.
29. Provide for preparation of new, compacted building pad for new school building to a sub-grade elevation of finish floor of minus concrete slab thickness and minus stone sub-base thickness. Margin of error 0.2'. Coordinate with structural drawings. Provide proof rolling of building pad subgrade. Structural fill shall extend 5' outside perimeter of building. Building pad to be accepted and approved by geotechnical engineer.
30. Provide and import suitable soils and structural fill to establish new building pad elevations.
31. All excess soils and excess topsoil shall be removed from site.
32. Any stockpile backfill shall be covered and protected.
33. Provide all site concrete items including grading, sub-base preparation, thrust blocks, expansion joints, control joints, vertical concrete curbs, depressed concrete curbs, concrete parking bumpers, sidewalks, concrete steps, concrete retaining walls, handicapped ramps with truncated domes as detailed. Provide dumpster pad as detailed. Include the cost to caulk exterior concrete control and expansion joints as indicated. Stairs and ramp connected to building (see A7.1) are by the concrete contractor.
34. Provide all asphalt paving, compacted stone sub-base, proofrolling, asphalt base course and asphalt topping course as detailed. Base paving and topcoat paving to be completed in separate mobilizations per the project schedule. Provide tie-in to all existing asphalt as indicated.
35. Provide all parking lot and fire lane signage and striping as shown. Include crosswalk striping. Include all parking bumpers as detailed.
36. Provide all safety measures and controls, traffic controls, etc. to comply with all OSHA safety regulations in order to complete this work.
37. Provide continuous site cleaning of project site and adjacent streets resulting from this work. Provide street cleaning along Brick Mill Road and existing elementary school drive lanes as needed. Mud and debris on Brick Mill Road and surround roads resulting from this work must be removed immediately.
38. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
39. Provide all pipe bollards as shown, include concrete footer and filling post with concrete. Painting by others.
40. Provide all fencing shown.

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41. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner. Provide New Castle County Land Use utility permits as required.
42. Provide final topsoil placement and grading at all disturbed areas. Rake topsoil to remove all stone and debris.
43. Provide final seeding as specified. Submit seeding mix design prior to installation. Provide watering as required until new seeded areas are established. Provide (2) mowings of newly seeded grass areas after established.
44. Provide all temporary power required to complete your work.
45. Provide all steel pipe gates. Include concrete footings as shown.
46. Furnish, install, and maintain a 20'-0" wide, 8" thick stone construction road around the entire perimeter of the building. Road width will start at foundation wall of the building and extend 20'-0" out. Include compaction of substrate and stone. Provide geo-textile fabric underneath to help stabilize. Include the cost to remove this material upon completion of exterior façade work and prior to final grading/topsoil.
47. Furnish, install, and maintain a 70'x60', 8" thick stone parking lot in front of the WT construction trailer (see logistics plan for approximate location and layout). Provide geo-textile fabric underneath to help stabilize. Include the cost to remove this material and restore this area when directed by WT.
48. Furnish, install, and maintain the extended stabilized construction entrance roadway. This roadway will extend from the stabilized construction entrance to the location of the permanent parking lot (roadway to meet at the northern most end of the parking lot). Include the cost to remove this material and restore this area when directed by WT.
49. This contractor shall own demoing existing curb, asphalt, subbase, etc. as required to install/tie-in new utilities.
50. This contractor shall be responsible for restoring existing areas upon completion of new work.
51. It is this contractor's responsibility to follow all WT EH&S guidelines for utility location prior to digging. This includes multiple mobilizations for soft dig utility locating. Refer to WT EH&S Manual for more information.
52. Furnish and install stone building border as indicated. See CC-02 for detail.
53. Furnish and install all bike racks as indicated, include concrete footings.
54. Provide all asbuilts as required.
55. ASPHALT CEMENT COST ADJUSTMENT – Payments to the Contractor shall be adjusted to reflect increase or decreases in the Delaware Posted Asphalt Cement Price at time of placement when compared to the Asphalt Cement Base Price at time of bid. The Delaware Posted Asphalt Cement Price will be issued monthly by the Department. Actual quantity of asphalt cement qualifying for any Asphalt Cement Cost Adjustment will be computed on the basis of weight tickets and asphalt percentage from the approved job mix formula. The Asphalt cement cost adjustment will be calculated on grade PG 64-22 asphalt regardless of the actual grade of asphalt used. The Project Asphalt Cement Base Price for the project will be based on the April of 2020 price posted on DelDOT's website. If the Contractor exceeds the authorized allotted completion time, the price of asphalt cement on the last authorized allotted work day, shall be the prices used for cost adjustment. However, if the industry posted price for asphalt cement goes down, the asphalt cement cost shall be adjusted downward accordingly.

**ALLOWANCES**

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

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None.

**ALTERNATES**

**Insert the following alternate prices into the spaces provided on the bid form.**

**ALTERNATE NO. 1:** Add four (4) classrooms to the south end of the Base Bid building as indicated on plans and specifications. Provide modified the casework and instructional boards in Classrooms B103, B105, B108 and B110 as indicated on plans.

**ALTERNATE NO. 2:** Add two (2) classrooms to the north end of the Base Bid building as indicated on plans and specifications.

**ALTERNATE NO. 3:** Add two (2) classrooms to the south end of the Alternate Bid 1 as indicated on plans and specifications.

**ALTERNATE NO. 4:** Furnish and install HIAS (Acrovyn) wall protection in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications

**ALTERNATE NO. 4A:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 4B:** Furnish and install HIAS (Acrovyn) wall protection in Vest. A154 and A156, and Corridor A155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 4C:** Furnish and install HIAS (Acrovyn) wall protection in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 5:** Furnish and install ceramic tile wainscot in Vestibules A101, A113, and B106, Lobby A102, and Corridors A114, A115, A124, A135, A142, and B107 as indicated on plans and specifications.

**ALTERNATE NO. 5A:** Furnish and install ceramic tile wainscot in Vest. B116 and Corridor B117 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 5B:** Furnish and install ceramic tile wainscot in Vest. A154 and A156, and Corridor B155 (ref. Alternate Bid No. 2).

**ALTERNATE NO. 5C:** Furnish and install ceramic tile wainscot in Vest. B121 and B123, and Corridor B122 (ref. Alternate Bid No. 3).

**ALTERNATE NO. 6:** Construct and fit-out Toilet room A141, accessible from playground as indicated on plans.

**ALTERNATE NO. 7A:** Furnish and install playground alternate A. Refer to A12.1

**ALTERNATE NO. 7B:** Furnish and install playground alternate B. Refer to A12.1



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**ALTERNATE NO. 8:** Furnish and install motorized shades at window types W4 and W5 in Multi-Purpose Room A136, including associated power tie-in by electrical contract.

**ALTERNATE NO. 9:** Furnish and install FRP doors in aluminum entrance frames at door, EXA102, EXA103, EXA104, EXA105, EXA106, EXA107, EXA109, EXA110, EXAB101.

**ALTERNATE NO. 9A:** Furnish and install FRP doors in aluminum entrance frames at door EXB102 (ref. Alternate Bid No. 1).

**ALTERNATE NO. 9B:** Furnish and install FRP doors in aluminum entrance frames at door EXA111 and EXA112 s (ref. Alternate Bid No. 2).

**ALTERNATE NO. 9C:** Furnish and install FRP doors in aluminum entrance frames at doors EXB103 and EXB104. (ref. Alternate Bid No. 3).

**ALTERNATE NO. 9D:** Furnish and install FRP door in aluminum entrance frame at door EXA108 (ref. Alternate Bid No. 6)

**UNIT PRICES** – Note: The owner reserves the right to request lump sum pricing for extra work in lieu of applying unit prices.

1. Remove unsuitable soils off-site and replace with imported select fill, per c.y.
2. Remove unsuitable soils off-site and replace with 57 stone, per c.y.
3. Rock removal and disposal off-site, per c.y.
4. Import and place select fill, per c.y.
5. Import and place #57 clean stone, per c.y.
6. Asphalt paving, base course per typical detail, per ton.
7. Asphalt paving, top course per typical detail, per ton.

SECTION 013210 – CONSTRUCTION SCHEDULE

PART 1 - GENERAL

1.1 Construction Schedule

1. The following Schedule is applicable to all bidders. The durations in the schedule are based on 5 day work weeks. ***See specific scopes of work for additional requirements for overtime and shift work.***
2. The Construction Schedule as approved by the Construction Manager and Owner will be an integral part of the Contract, and will establish interim work completion dates for the various activities.
3. The Construction Schedule may vary in accordance with construction conditions. Each Trade Contractor shall delay or expedite material and equipment deliveries, and modify the required labor forces to accommodate these varying conditions.
4. Work is to commence upon receipt of the Letter of Authorization to proceed.
5. Within fifteen (15) days after receipt of a “Letter of Authorization to proceed”, each trade Contractor shall submit a detailed preliminary Construction Schedule to the Construction Manager. The schedule will include breakdowns of total man days of field labor into major categories of work, time estimates of various categories of work, and the crew size for each category.
6. Each Trade Contractor shall organize his Construction Schedule per Phase, Building, Area, and/or Floor as required by the Construction Manager.
7. Each Trade Contractor shall be responsible for participating in pull-planning sessions with WT
8. The Construction Manager shall schedule a meeting with the Trade Contractor to receive the contents of each Trade Contractor’s preliminary Construction Schedule, coordinate the sequence of work, and make all revisions required. The Construction Manager shall have the final authority concerning the sequence of work and durations of each activity. Each Trade Contractor shall revise his schedule in accordance with that meeting and submit his schedule to the Construction Manager for approval. The Construction Manager will then develop the Project Construction Schedule. Each Trade Contractor shall schedule and perform his work in accordance with the Construction Manager’s Project Construction Schedule.
9. The Schedule shall be the basis for the dates to start and complete work for various portions of each contract, and to complete work (including changes) for the Project. It shall be the duty of the Trade Contractor to conform to the approved Schedule and to arrange his work in such a manner that it will be installed in accordance with the Schedule.
10. Each Trade Contractor shall submit two (2) copies of an updated Construction Schedule comparing the original schedule to actual work in progress and projected work along with the preliminary application for payment.
11. A representative of each Trade Contractor shall meet with the Construction Manager and furnish to him information necessary for such re-evaluating and updating and, if applicable, information with regard to changes in the work and the Trade Contractor’s proposed effort to overcome any delays incurred.
12. Should any work not be started or completed within five (5) days of the stated scheduled date, the Construction Manger shall have the right to order the Trade Contractor to expedite start and completion of the work by whatever means the Construction Manager deems appropriate and necessary, without additional compensation to the Trade Contractor.
13. Should any work fall to ten (10) or more days behind schedule, the Construction Manger shall have the right to perform the work or have the work performed by whatever method the Construction Manager deem appropriate.

14. Costs incurred by the Construction Manager in connection with “maintaining the Construction Schedule” under this section shall be reimbursed to the Construction Manager by the Trade Contractor.
15. It is expressly understood and agreed that failure by the Construction Manager to exercise the option to either order the Trade Contractor to expedite work, or to expedite the work by other means, shall not be considered precedent-setting for any other activities.
16. The following Construction Schedule is critical to the successful completion of the Project and is an integral portion of the Construction Documents. The Construction Schedule may vary in accordance with the construction conditions. The Trade Contractor shall delay or expedite his material and equipment deliveries and modify the required work forces to accommodate these varying conditions. The attached schedule is a milestone schedule with durations that portions of the project must be completed in. A more detailed construction schedule will be generated after all contracts have been awarded. By submitting a bid, each Trade Contractor is acknowledging that they can complete this work within the durations outlined in the milestone schedule.
17. The schedule is of the essence on this project and each contractor is responsible for completion of its work in coordination with the work of all other contractors within the required sequence and time frame so that the established schedule is met. Each contractor agrees to provide sufficient labor crew size, equipment and/or work overtime, weekends, or shiftwork as necessary to meet the activity durations on this schedule.
18. The attached schedule includes “estimated” start dates for the construction activities. In the interest of the overall project, W-T reserves the right to alter the sequencing of activities in order to accommodate project conditions and/or Owner requirements. It is understood that the contractor shall be obligated to complete its activities within the specified duration regardless of the actual start date.
19. All submittals and shop drawings must be submitted within a minimum of **two (2) weeks** of the notice to proceed with this subcontract, or the dates indicated on the schedule or scope of work, whichever occurs first. All expediting of materials and equipment to meet this schedule is the responsibility of the contractor. Contractor to pay for any quick ship charges if necessary.
20. All work, or applicable portions of the work, shall be sufficiently complete for Owner’s use and occupancy and all required approvals and permits for use and occupancy shall have been issued by the appropriate authorities by the established “Date of Substantial Completion” of the work, or applicable portion thereof.
21. All punchlist work and project closeout documentation shall be completed and approved by the Owner and Architect by the “Date of Final Completion”: which shall be no later than 21 days after the Date of Substantial Completion. Any uncompleted punchlist items after this date will be completed by Whiting-Turner and backcharged to the appropriate contractor or vendor. Final invoices will not be processed until final completion of the work and certification of same by the Owner and Architect.
22. If a contractor misses any portion of a workday due to weather, manpower, or scheduling conflicts, they must make-up this lost time on Saturday of the same week. If two or more days are lost in the same work week, the contractor shall work the immediate Saturday and the Saturday(s) of the following week(s) to make up those lost days. ***Additional hours during the week may be used as makeup time. This must be coordinated with Whiting-Turner first.***
23. Sundays are not regular work days. Approval must be obtained from Whiting-Turner prior to working. It is expected that contractors will work Saturdays, Sundays, and overtime when days are lost during the week.
24. Failure to properly man the project during normal week days may result in charges for CM supervision on weekends, at the discretion of the CM.

25. The contractor must schedule their work forces to work on all available work at a given time. Therefore, if an area of the building is ready for the contractor's work to begin or continue, the contractor must have manpower onsite working. Contractors will not have the "entire" work area at one time.
26. Each contractor must request information or clarifications in a timely manner, at least two weeks prior to needing the information, so that the time required to receive the clarification does not impact the work. No delays will be accepted related to this issue.
27. Each contractor is required to include in their bid the necessary overtime costs if they are needed to meet the schedule durations in this section.

2.1 Time of Completion

1. The Trade Contractor shall commence work upon receipt of a Letter of Authorization to proceed from either Appoquinimink School District or The Whiting-Turner Contracting Company.
2. All work shall be 100 percent (100%) complete and sequenced per the attached schedule unless agreed upon by the Construction Manager prior to the executing of the contract.
3. Work can be completed on Saturdays and Sundays and at extended hours during the week. The Owner shall not be responsible for additional costs for overtime.
4. Normal work hours shall be from 7:00 a.m. to 3:30 p.m., Monday to Friday, and 7:00 a.m. to 3:30 pm on Saturday, when applicable. Work may be completed beyond these hours, as approved by the Construction Manager.
5. Weather Delays: The project substantial completion date, shall only be adjusted due to weather conditions if there are delays above and beyond the following "Adverse Day" allowances based on a seven day work week:
  - A. January (12), February (10), March (5), April (5), May (4), June (2), July (4), August (3 days), September (4 days), October (3 days), November (2 days), and December (6 days). These "Adverse Days" are based on the following reference: State of Delaware Department of Transportation's Standard: "763508 Project Control System."
  - B. Delays requested due to weather must be related to the critical path activity as indicated on the Contractor's Project Schedule.
  - C. Delays due to weather must be reported by the contractor on the day they occur in a written report.
  - D. Any day lost during the week must be made up the same week by overtime and /or weekend work. If the weather is bad on the make-up day, the lost day must be made up the following week.
  - E. The allowance days listed above carry over to the next month if they are not used. Therefore, if only 1 allowance day is used in November, there are (7) days in December. Therefore, there is a total of 60 allowance days in a year.

3.1 See attached "Preliminary Bid Schedule."

~~3.2 See attached "Glass and Glazing Phasing Diagram."~~

END OF SECTION 013210

Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish	Gantt Chart																																																							
						2020					2021												2022												2023												2024														
SITE						<div>■ W-T MOBILIZE</div> <div>■ SITE CONTRACTOR MOBILIZE</div> <div>■ E&amp;S CONTROLS</div> <div>■ BULK SITE CUTS/FILLS GRADING</div> <div>■ UTILITY CONNECTIONS TO EXISTING MAINS</div> <div>■ BUILDING PAD PREP</div> <div>■ SITE UTILITIES - FRONT PARKING AREA/ROAD</div> <div>■ SUBGRADE PREP - FRONT PARKING AREA/ROAD</div> <div>■ CURBING - FRONT PARKING AREA/ROAD</div> <div>■ STONE SUB-BASE - FRONT PARKING AREA/ROAD</div> <div>■ SITE UTILITIES - REAR PARKING AREA/ROAD</div> <div>■ BASE PAVING - FRONT PARKING AREA/ROAD</div> <div>■ SUBGRADE PREP - REAR PARKING AREA/ROAD</div> <div>■ CURBING - REAR PARKING AREA/ROAD</div> <div>■ SIDEWALKS</div> <div>■ PLAYGROUND EQUIPMENT</div> <div>■ STONE SUB-BASE - REAR PARKING AREA/ROAD</div> <div>■ CONVERT/CONSTRUCT INFILTRATION BASINS</div> <div>■ BASE PAVING - REAR PARKING AREA/ROAD</div> <div>■ FINAL GRADING &amp; TOPSOIL</div> <div>■ LANDSCAPING &amp; SEEDING</div> <div>■ REMOVE EXISTING ELEM SCHOOL DRIVE LANE</div> <div>■ COMPLETE CURB &amp; ROAD CONNECTIONS TO EXISTING</div>																																																							
FOUNDATION/SLAB						<div>■ CONCRETE FOOTINGS - AREA 'A' CENTER</div> <div>■ CONCRETE FOOTINGS - AREA 'A' NORTH</div> <div>■ CONCRETE PIERS - AREA 'A' CENTER</div> <div>■ UNDERSLAB PLUMBING - AREA 'A' CENTER</div> <div>■ CONCRETE FOOTINGS - AREA 'B'</div> <div>■ CONCRETE PIERS - AREA 'A' NORTH</div> <div>■ CMU FOUNDATION WALLS - AREA 'A' CENTER</div> <div>■ UNDERSLAB PLUMBING - AREA 'A' NORTH</div> <div>■ CONCRETE PIERS - AREA 'B'</div> <div>■ CMU FOUNDATION WALLS - AREA 'A' NORTH</div> <div>■ UNDERSLAB PLUMBING - AREA 'B'</div> <div>■ BACKFILL FOUNDATIONS - AREA 'A' CENTER</div> <div>■ CMU FOUNDATION WALLS - AREA 'B'</div> <div>■ BACKFILL FOUNDATIONS - AREA 'A' NORTH</div> <div>■ SLAB-ON-GRADE - AREA 'A' CENTER</div> <div>■ BACKFILL FOUNDATIONS - AREA 'B'</div> <div>■ SLAB-ON-GRADE - AREA 'A' NORTH</div> <div>■ SLAB-ON-GRADE - AREA 'B'</div>																																																							
STRUCTURE						<div>■ STEEL ERECTION - HIGH BAY MULTI-PURPOSE ROOM</div> <div>■ ROOF JOISTS &amp; DECK - HIGH BAY MULTI-PURPOSE ROOM</div> <div>■ STEEL ERECTION - COL. LINE 1 - 11</div> <div>■ STEEL ERECTION - COL. LINE 11-21</div> <div>■ PARAPET FRAMING HIGH BAY</div> <div>■ ROOF JOISTS &amp; DECK - COL. LINE 1-11</div> <div>■ ROOF JOISTS &amp; DECK - COL. LINE 11-21</div>																																																							
BUILDING - HIGH BAY																																																													
Start date		27JUL20				<div>WHITING-TURNER</div> <div>BMECC</div> <div>■ Early bar</div> <div>■ Progress bar</div> <div>■ Critical bar</div> <div>■ Summary bar</div> <div>◆ Start milestone point</div> <div>◆ Finish milestone point</div>																																																							
Finish date		24AUG21																																																											
Data date		27JUL20																																																											
Run date		14JUL20																																																											
Page number		1A																																																											
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Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish																																																								
						2020													2021													2022													2023													2024			
						A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A							
2290	MEP OVERHEAD ROUGH-IN - HIGH BAY	20d	20d	16NOV20	11DEC20	<div><div></div> MEP OVERHEAD ROUGH-IN - HIGH BAY</div>																																																							
2320	INTERIOR STUD WALL FRAMING - HIGH BAY	10d	10d	16NOV20	27NOV20	<div><div></div> INTERIOR STUD WALL FRAMING - HIGH BAY</div>																																																							
2350	MEP IN-WALL ROUGH-IN - HIGH BAY	15d	15d	30NOV20	18DEC20	<div><div></div> MEP IN-WALL ROUGH-IN - HIGH BAY</div>																																																							
2460	DRYWALL HANG/FINISH - HIGH BAY	10d	10d	23DEC20	07JAN21	<div><div></div> DRYWALL HANG/FINISH - HIGH BAY</div>																																																							
2990	PAINT - PRIME/1ST COAT - HIGH BAY	5d	5d	08JAN21	14JAN21	<div><div></div> PAINT - PRIME/1ST COAT- HIGH BAY</div>																																																							
2910	CEILING GRID - HIGH BAY	5d	5d	15JAN21	21JAN21	<div><div></div> CEILING GRID - HIGH BAY</div>																																																							
3000	LIGHT, SMOKES CEILING DEVICES- HIGH BAY	5d	5d	22JAN21	28JAN21	<div><div></div> LIGHT, SMOKES CEILING DEVICES- HIGH BAY</div>																																																							
3010	SPRINKLER HEADS- HIGH BAY	3d	3d	22JAN21	26JAN21	<div><div></div> SPRINKLER HEADS- HIGH BAY</div>																																																							
3100	DIFFUSERS- HIGH BAY	5d	5d	22JAN21	28JAN21	<div><div></div> DIFFUSERS- HIGH BAY</div>																																																							
2920	CEILING TILE - HIGH BAY	3d	3d	29JAN21	02FEB21	<div><div></div> CEILING TILE - HIGH BAY</div>																																																							
2950	EPOXY KITCHEN FLOORING	5d	5d	03FEB21	09FEB21	<div><div></div> EPOXY KITCHEN FLOORING</div>																																																							
3050	FINAL PAINT- HIGH BAY	5d	5d	03FEB21	09FEB21	<div><div></div> FINAL PAINT- HIGH BAY</div>																																																							
2960	KITCHEN EQUIPEMENT	10d	10d	10FEB21	23FEB21	<div><div></div> KITCHEN EQUIPEMENT</div>																																																							
2970	OPERABLE PARTION	5d	5d	10FEB21	16FEB21	<div><div></div> OPERABLE PARTION</div>																																																							
2980	CERAMIC TILE - HIGH BAY	10d	10d	10FEB21	23FEB21	<div><div></div> CERAMIC TILE - HIGH BAY</div>																																																							
3020	CASEWORK- HIGH BAY	2d	2d	10FEB21	11FEB21	<div>CASEWORK- HIGH BAY</div>																																																							
3040	DISPLAY BOARDS/SPECIALTIES- HIGH BAY	5d	5d	10FEB21	16FEB21	<div><div></div> DISPLAY BOARDS/SPECIALTIES- HIGH BAY</div>																																																							
3060	FLOORING- HIGH BAY	5d	5d	17FEB21	23FEB21	<div><div></div> FLOORING- HIGH BAY</div>																																																							
3070	DOOR AND HARDWARE HIGH BAY	5d	5d	24FEB21	02MAR21	<div><div></div> DOOR AND HARDWARE HIGH BAY</div>																																																							
3110	RESTROOM FIXTURES - HIGH BAY	2d	2d	24FEB21	25FEB21	<div><div></div> RESTROOM FIXTURES - HIGH BAY</div>																																																							
BUILDING - LINE 1-11																																																													
2300	MEP OVERHEAD ROUGH-IN - COL. LINE 1-11	35d	35d	14DEC20	02FEB21	<div><div></div> MEP OVERHEAD ROUGH-IN - COL. LINE 1-11</div>																																																							
2330	INTERIOR STUD WALL FRAMING - COL. LINE 1-11	20d	20d	14DEC20	12JAN21	<div><div></div> INTERIOR STUD WALL FRAMING - COL. LINE 1-11</div>																																																							
2360	MEP IN-WALL ROUGH-IN COL. LINE 1-11	25d	25d	13JAN21	16FEB21	<div><div></div> MEP IN-WALL ROUGH-IN COL. LINE 1-11</div>																																																							
2470	DRYWALL HANG/FINISH - COL. LINE 1-11	15d	15d	17FEB21	09MAR21	<div><div></div> DRYWALL HANG/FINISH - COL. LINE 1-11</div>																																																							
2991	PAINT - PRIME/1ST COAT - LINE 1-11	5d	5d	10MAR21	16MAR21	<div><div></div> PAINT - PRIME/1ST COAT - LINE 1-11</div>																																																							
2911	CEILING GRID - LINE 1-11	8d	8d	17MAR21	26MAR21	<div><div></div> CEILING GRID - LINE 1-11</div>																																																							
2981	CERAMIC TILE - LINE 1-11	5d	5d	24MAR21	30MAR21	<div><div></div> CERAMIC TILE - LINE 1-11</div>																																																							
3001	LIGHT, SMOKES CEILING DEVICES - LINE 1-11	5d	5d	29MAR21	02APR21	<div><div></div> LIGHT, SMOKES CEILING DEVICES - LINE 1-11</div>																																																							
3011	SPRINKLER HEADS - LINE 1-11	5d	5d	29MAR21	02APR21	<div><div></div> SPRINKLER HEADS - LINE 1-11</div>																																																							
3101	DIFFUSERS - LINE 1-11	5d	5d	29MAR21	02APR21	<div><div></div> DIFFUSERS - LINE 1-11</div>																																																							
2921	CEILING TILE - LINE 1-11	4d	4d	05APR21	08APR21	<div><div></div> CEILING TILE - LINE 1-11</div>																																																							
3121	RESTROOMWALL PROTECTION - LINE 1-11	3d	3d	09APR21	13APR21	<div><div></div> RESTROOMWALL PROTECTION - LINE 1-11</div>																																																							
3111	RESTROOM FIXTURES - LINE 1-11	5d	5d	14APR21	20APR21	<div><div></div> RESTROOM FIXTURES - LINE 1-11</div>																																																							
3051	FINAL PAINT - LINE 1-11	3d	3d	21APR21	23APR21	<div><div></div> FINAL PAINT - LINE 1-11</div>																																																							
3021	CASEWORK - LINE 1-11	8d	8d	26APR21	05MAY21	<div><div></div> CASEWORK - LINE 1-11</div>																																																							
3041	DISPLAY BOARDS/SPECIALTIES - LINE 1-11	5d	5d	26APR21	30APR21	<div><div></div> DISPLAY BOARDS/SPECIALTIES - LINE 1-11</div>																																																							
3031	PLUMBING IN CASEWORK - LINE 1-11	3d	3d	06MAY21	10MAY21	<div><div></div> PLUMBING IN CASEWORK - LINE 1-11</div>																																																							
3061	FLOORING - LINE 1-11	7d	7d	11MAY21	19MAY21	<div><div></div> FLOORING - LINE 1-11</div>																																																							
3071	DOOR AND HARDWARE - LINE 1-11	7d	7d	20MAY21	28MAY21	<div><div></div> DOOR AND HARDWARE - LINE 1-11</div>																																																							
BUILDING - LINE 11-21																																																													
2310	MEP OVERHEAD ROUGH-IN COL. LINE 11-21	35d	35d	21DEC20	09FEB21	<div><div></div> MEP OVERHEAD ROUGH-IN COL. LINE 11-21</div>																																																							
2340	INTERIOR STUD WALL FRAMING - COL. LINE 11-21	20d	20d	21DEC20	19JAN21	<div><div></div> INTERIOR STUD WALL FRAMING - COL. LINE 11-21</div>																																																							
2420	BRICK VENEER - COL. LINE 11-21	20d	20d	06JAN21	02FEB21	<div><div></div> BRICK VENEER - COL. LINE 11-21</div>																																																							
2370	MEP IN-WALL ROUGH-IN COL. LINE 11-21	25d	25d	20JAN21	23FEB21	<div><div></div> MEP IN-WALL ROUGH-IN COL. LINE 11-21</div>																																																							
2450	WINDOWS - COL. LINE 11-21	10d	10d	03FEB21	16FEB21	<div><div></div> WINDOWS - COL. LINE 11-21</div>																																																							
2480	DRYWALL HANG/FINISH - COL. LINE 11-21	15d	15d	24FEB21	16MAR21	<div><div></div> DRYWALL HANG/FINISH - COL. LINE 11-21</div>																																																							
2982	CERAMIC TILE - LINE 11-21	3d	3d	17MAR21	19MAR21	<div><div></div> CERAMIC TILE - LINE 11-21</div>																																																							
2992	PAINT - PRIME/1ST COAT - LINE 11-21	5d	5d	17MAR21	23MAR21	<div><div></div> PAINT - PRIME/1ST COAT - LINE 11-21</div>																																																							
2912	CEILING GRID - LINE 11-21	8d	8d	24MAR21	02APR21	<div><div></div> CEILING GRID - LINE 11-21</div>																																																							
3002	LIGHT, SMOKES CEILING DEVICES - LINE 11-21	5d	5d	05APR21	09APR21	<div><div></div> LIGHT, SMOKES CEILING DEVICES - LINE 11-21</div>																																																							
3012	SPRINKLER HEADS - LINE 11-21	5d	5d	05APR21	09APR21	<div><div></div> SPRINKLER HEADS - LINE 11-21</div>																																																							

Start date27JUL20

Finish date24AUG21

Data date27JUL20

Run date14JUL20

Page number2A

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WHITING-TURNER  
BMECC

Early bar

Progress bar

Critical bar

Summary bar

Start milestone point

Finish milestone point

Act ID	Description	Orig Dur	Rem Dur	Early Start	Early Finish																																																
						2020				2021				2022				2023				2024																															
						A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A											
3102	DIFFUSERS - LINE 11-21	5d	5d	05APR21	09APR21	■ DIFFUSERS - LINE 11-2'																																															
2922	CEILING TILE - LINE 11-21	4d	4d	12APR21	15APR21	■ CEILING TILE - LINE 11-21																																															
3052	FINAL PAINT - LINE 11-21	3d	3d	16APR21	20APR21	■ FINAL PAINT - LINE 11-21																																															
3122	RESTROOMWALL PROTECTION - LINE 11-21	3d	3d	16APR21	20APR21	■ RESTROOMWALL PROTECTION - LINE 11-21																																															
3022	CASEWORK - LINE 11-21	8d	8d	21APR21	30APR21	■ CASEWORK - LINE 11-21																																															
3042	DISPLAY BOARDS/SPECIALTIES - LINE 11-21	5d	5d	21APR21	27APR21	■ DISPLAY BOARDS/SPECIALTIES - LINE 11-21																																															
3112	RESTROOM FIXTURES - LINE 11-21	5d	5d	21APR21	27APR21	■ RESTROOM FIXTURES - LINE 11-21																																															
3032	PLUMBING IN CASEWORK - LINE 11-21	3d	3d	03MAY21	05MAY21	▮ PLUMBING IN CASEWORK - LINE 11-21																																															
3062	FLOORING - LINE 11-21	7d	7d	06MAY21	14MAY21	■ FLOORING - LINE 11-21																																															
3072	DOOR AND HARDWARE - LINE 11-21	7d	7d	17MAY21	25MAY21	■ DOOR AND HARDWARE - LINE 11-21																																															
EXTERIOR																																																					
2170	ROOF BLOCKING & ROOFING - HIGH BAY	5d	5d	09NOV20	13NOV20	■ ROOF BLOCKING & ROOFING - HIGH BAY																																															
2200	EXTERIOR STUD FRAMING & SHEATHING - HIGH BAY	7d	7d	09NOV20	17NOV20	■ EXTERIOR STUD FRAMING & SHEATHING - HIGH BAY																																															
2230	BRICK TIES & METAL PANEL CLIPS - HIGH BAY	5d	5d	18NOV20	24NOV20	■ BRICK TIES & METAL PANEL CLIPS - HIGH BAY																																															
2150	PARAPET FRAMING COL. LINE 1-11	5d	5d	23NOV20	27NOV20	■ PARAPET FRAMING COL. LINE 1-11																																															
2260	SPRAY FOAM INSULATION - HIGH BAY	5d	5d	25NOV20	01DEC20	■ SPRAY FOAM INSULATION - HIGH BAY																																															
2160	PARAPET FRAMING COL. LINE 11-21	5d	5d	30NOV20	04DEC20	■ PARAPET FRAMING COL. LINE 11-21																																															
2180	ROOF BLOCKING & ROOFING - COL. LINE 1-11	10d	10d	30NOV20	11DEC20	■ ROOF BLOCKING & ROOFING - COL. LINE 1-11																																															
2210	EXTERIOR STUD FRAMING & SHEATHING-COL.LINE 1-11	10d	10d	30NOV20	11DEC20	■ EXTERIOR STUD FRAMING & SHEATHING-COL.LINE 1-11																																															
2380	EXTERIOR METAL PANELS - HIGH BAY	10d	10d	02DEC20	15DEC20	■ EXTERIOR METAL PANELS - HIGH BAY																																															
2190	ROOF BLOCKING & ROOFING - COL. LINE 11-21	10d	10d	07DEC20	18DEC20	■ ROOF BLOCKING & ROOFING - COL. LINE 11-21																																															
2220	EXTERIOR STUD FRAMING & SHEATHING-COL.LINE 11-21	10d	10d	07DEC20	18DEC20	■ EXTERIOR STUD FRAMING & SHEATHING-COL.LINE 11-21																																															
2240	BRICK TIES & METAL PANEL CLIPS - COL. LINE 1-11	5d	5d	14DEC20	18DEC20	■ BRICK TIES & METAL PANEL CLIPS - COL. LINE 1-11																																															
2430	WINDOWS - HIGH BAY	5d	5d	16DEC20	22DEC20	■ WINDOWS - HIGH BAY																																															
2250	BRICK TIES & METAL PANEL CLIPS - COL. LINE 11-21	5d	5d	21DEC20	28DEC20	■ BRICK TIES & METAL PANEL CLIPS - COL. LINE 11-21																																															
2270	SPRAY FOAM INSULATION - COL. LINE 1-11	5d	5d	21DEC20	28DEC20	■ SPRAY FOAM INSULATION - COL. LINE 1-11																																															
2280	SPRAY FOAM INSULATION - COL. LINE 11-21	5d	5d	29DEC20	05JAN21	■ SPRAY FOAM INSULATION - COL. LINE 11-21																																															
2390	EXTERIOR METAL PANELS - COL. LINE 1-11	10d	10d	29DEC20	12JAN21	■ EXTERIOR METAL PANELS - COL. LINE 1-11																																															
2400	BRICK VENEER - COL. LINE 1-11	20d	20d	29DEC20	26JAN21	■ BRICK VENEER - COL. LINE 1-11																																															
2410	EXTERIOR METAL PANELS - COL. LINE 11-21	10d	10d	06JAN21	19JAN21	■ EXTERIOR METAL PANELS - COL. LINE 11-21																																															
2440	WINDOWS - COL. LINE 1-11	10d	10d	27JAN21	09FEB21	■ WINDOWS - COL. LINE 1-11																																															
2940	EXTERIOR DOORS	10d	10d	03FEB21	16FEB21	■ EXTERIOR DOORS																																															
COMPLETION																																																					
2550	WT - WORK TO COMPLETE LISTS	15d	15d	02JUN21	22JUN21	■ WT - WORK TO COMPLETE LISTS																																															
2560	PUNCHLIST	15d	15d	23JUN21	13JUL21	■ PUNCHLIST																																															
2570	INSPECTIONS	10d	10d	30JUN21	13JUL21	■ INSPECTIONS																																															
2580	FF&E INSTALL	10d	10d	14JUL21	27JUL21	■ FF&E INSTALL																																															
2830	COMPLETE SIDEWALSK AT ROAD CONNECTIONS	10d	10d	26JUL21	06AUG21	■ COMPLETE SIDEWALSK AT ROAD CONNECTIONS																																															
2590	APPO STAFF MOVE-IN	10d	10d	28JUL21	10AUG21	■ APPO STAFF MOVE-IN																																															
2600	APPO TEACHERS MOVE-IN	10d	10d	11AUG21	24AUG21	■ APPO TEACHERS MOVE-IN																																															
2610	FIRST DAY STUDENTS	0	0		24AUG21	◆ FIRST DAY STUDENTS																																															